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=> fil hcap
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FILE COVERS 1907 - 9 Mar 2007  VOL 146 ISS 12
FILE LAST UPDATED: 8 Mar 2007  (20070308/ED)

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 substance identification.
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NOTE: Only patent references are displayed.

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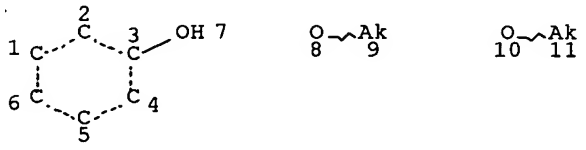


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DEFAULT ECLEVEL IS LIMITED

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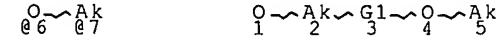

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GGCAT   IS SAT  AT   2
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DEFAULT ECLEVEL IS LIMITED

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RING(S) ARE ISOLATED OR EMBEDDED
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STEREO ATTRIBUTES: NONE
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L31          66 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L28 AND (PY<2004 OR AY<2004
                OR PRY<2004)


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L31  ANSWER 1 OF 66  HCAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2006:769077  HCAPLUS  Full-text
DOCUMENT NUMBER:          145:211344
TITLE:                    Preparation of modified natriuretic conjugates
INVENTOR(S):              James, Kenneth D.; Radhakrishnan, Balasingham; Malkar,
                          Navdeep B.; Miller, Mark A.; Ekwuribe, Nnochiri N.
PATENT ASSIGNEE(S):       USA
SOURCE:                   U.S. Pat. Appl. Publ., 103pp., Cont.-in-part of U.S.
                          Ser. No. 723,933.
                          CODEN: USXXCO
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   3
PATENT INFORMATION:

     PATENT NO.           KIND   DATE       APPLICATION NO.          DATE
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     US 2006172933         A1    20060803   US 2004-999761           20041130 <--
     US 2004203081         A1    20041014   US 2003-723933           20031126 <--
PRIORITY APPLN. INFO.:                      US 2002-429151P      P   20021126 <--
                                            US 2003-723933       A2  20031126 <--
                                            US 2004-574436P      P   20040526
OTHER SOURCE(S):          MARPAT 145:211344
AB    The invention relates to natriuretic compound conjugates comprising (1) a
      biol.-active natriuretic compound having a natriuretic mol. NPR-A (natriuretic
      protein receptor A) binding site and at least one modifying moiety conjugation
      site and (2) at least one modifying moiety attached to the modifying moiety
      conjugation site.  The natriuretic compound conjugates have increased
      resistance to enzymic degradation relative to a corresponding unconjugated
      natriuretic compound, increased circulating half life, increased
      bioavailability, and prolonged duration of effect.  The natriuretic compound
      conjugates also retain a therapeutically significant percentage of cGMP
      stimulating activity relative to the corresponding unconjugated natriuretic
```

compound Oral, parenteral, enteral, s.c., pulmonary, and i.v. forms of the compds. and conjugates may be prepared as treatments and/or therapies for heart conditions, particularly congestive heart failure. The synthetic examples include the synthesis of methyl-terminated polyethylene glycol (MPEGn) derivs. Biol. activities of conjugates are compared to that of native brain-type natriuretic peptide (BNP). The results point to a preference for the monoconjugate BNP that includes a Class 1 modifying moiety Lys3, e.g., in MPEG7O(CH2)5CO-peptide.

IT ***702701-66-4P***

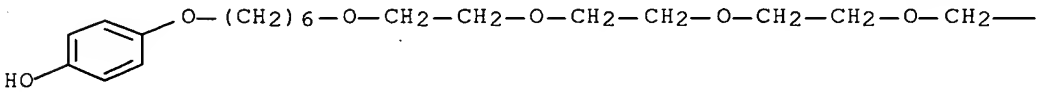
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of modified natriuretic conjugates)

RN 702701-66-4 HCAPLUS

CN Phenol, 4-(7,10,13,16,19,22,25-heptaoxahexacos-1-yloxy)- (9CI) (CA INDEX NAME)

PAGE 1-A



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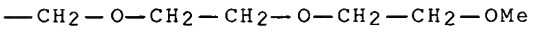

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L31 ANSWER 2 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:158500 HCAPLUS Full-text

DOCUMENT NUMBER: 142:261295

TITLE: Preparation of aryl carbamate oligomers for hydrolyzable prodrugs and prodrugs comprising same

INVENTOR(S): Ekwuribe, Nnochiri N.; Odenbaugh, Amy L.

PATENT ASSIGNEE(S): Nobex Corporation, USA

SOURCE: PCT Int. Appl., 59 pp.
CODEN: PIXXD2

DOCUMENT TYPE: ***Patent***

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2005016240	A3	20060928		

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RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,

AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2004264818	A1	20050224	AU 2004-264818	20040506 <--
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US 2006167234	A1	20060727	US 2005-525290	20050718 <--
PRIORITY APPLN. INFO.:			US 2003-491751P P	20030801 <--
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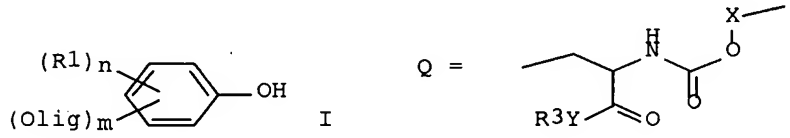
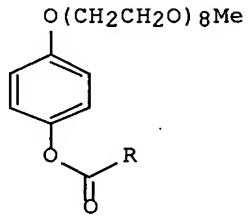
OTHER SOURCE(S): CASREACT 142:261295; MARPAT 142:261295

GI





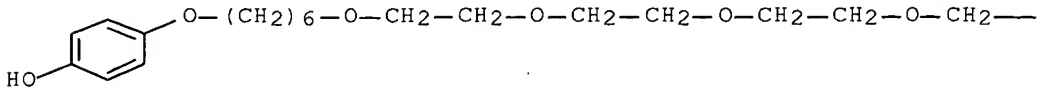
II

AB The present invention provides a compound having a formula: I [R1 = alkyl, -CH2(OC2H4)OMe, and (OC2H4)OCH3; n = 0-4; Olig = L-O-PAG-(R2)q; L = optional linker moiety CH2O, CH2OX, OX, CO, COX, NH, NHCO, XNHCO, NHCOX, CONH, CONHX, group Q; X = C1-6 alkyl, bond; Y = N, O, bond; R3 = C1-6 alkyl; PAG = linear or branched polyalkylene glycol moiety; R2 = C1-22 alkyl capping moiety if X is present or C2-22 alkyl capping moiety if X is not present; q = 1 to maximum number of branches on PAG; m = 1-5]. Thus, reaction of oligoethylene glycol mesylate MeSO2O(CH2CH2O)4Me with 4-benzyloxyphenol, followed by hydrogenolysis of the benzyl group, activation with 4-nitrophenyl chloroformate, and reaction with leucine-enkephalin or human insulin gave prodrugs II (R = leucine enkephalin or insulin residue). Hydrolysis studies of the prepared prodrugs by carboxylesterase and in rat plasma are given.

IT ***702701-66-4DP***, conjugates with human insulin ***845910-75-0DP***, conjugates with human insulin ***845910-81-8DP***, conjugates with human insulin ***845910-83-0DP***, tyrosine side chain conjugates with human insulin ***845910-97-6DP***, conjugates with human insulin
RL: PAC (Pharmacological activity); PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of aryl carbamate oligomers for hydrolyzable prodrugs and prodrugs comprising same)

RN 702701-66-4 HCAPLUS
CN Phenol, 4-(7,10,13,16,19,22,25-heptaoxahexacos-1-yloxy)- (9CI) (CA INDEX NAME)

PAGE 1-A



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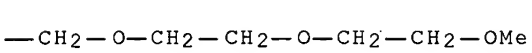

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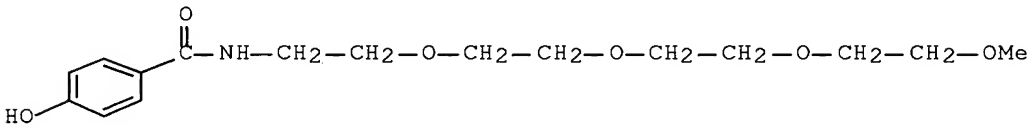
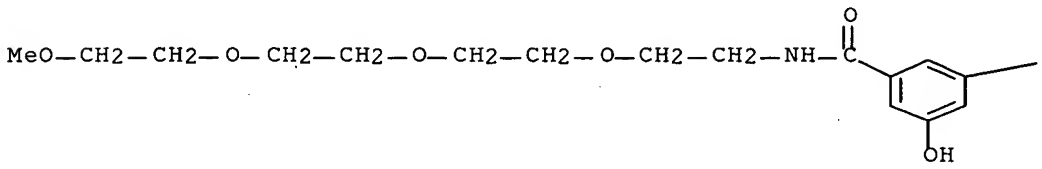
CN Benzamide, 4-hydroxy-N-3,6,9,12-tetraoxatridec-1-yl- (9CI) (CA INDEX NAME)



RN 845910-81-8 HCAPLUS
CN 1,3-Benzenedicarboxamide, 5-hydroxy-N,N'-bis(3,6,9,12-tetraoxatridec-1-yl)- (9CI) (CA INDEX NAME)

PAGE 1-A



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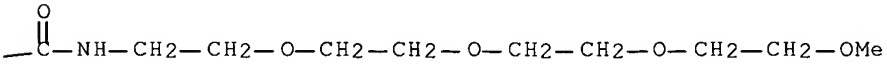
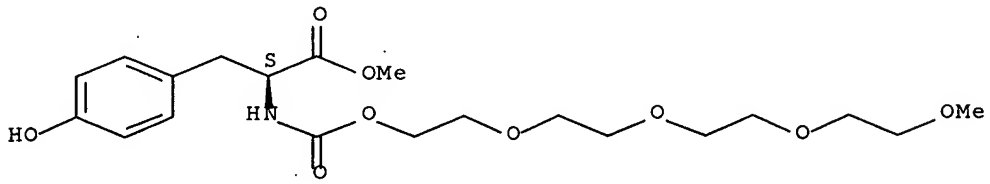


RN 845910-83-0 HCAPLUS

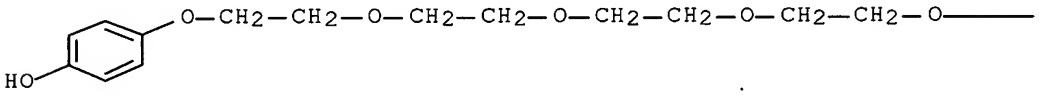
CN 2,5,8,11,14-Pentaoxa-16-azaoctadecan-18-oic acid, 17-[(4-hydroxyphenyl)methyl]-15-oxo-, methyl ester, (17S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 845910-97-6 HCAPLUS
CN Phenol, 4-(3,6,9,12,15,18-hexaoxatetracos-1-yloxy)- (9CI) (CA INDEX NAME)

PAGE 1-A



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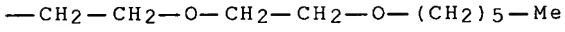
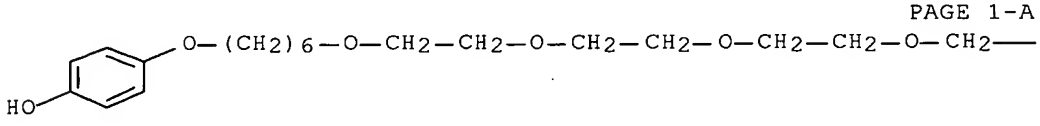


IT ***702701-66-4P 845910-52-3P 845910-58-9P 845910-66-9P 845910-69-2P 845910-75-0P 845910-81-8P 845910-83-0P 845910-87-4P 845910-89-6P 845910-97-6P 845911-07-1P 845911-17-3P***
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of aryl carbamate oligomers for hydrolyzable prodrugs and prodrugs comprising same)

RN 702701-66-4 HCAPLUS
CN Phenol, 4-(7,10,13,16,19,22,25-heptaoxahexacos-1-yloxy)- (9CI) (CA INDEX NAME)

PAGE 1-A



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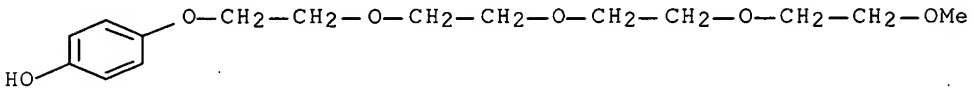

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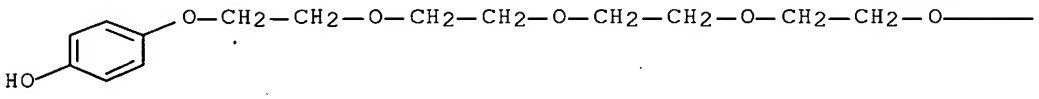
PAGE 1-A



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RN 845910-66-9 HCAPLUS
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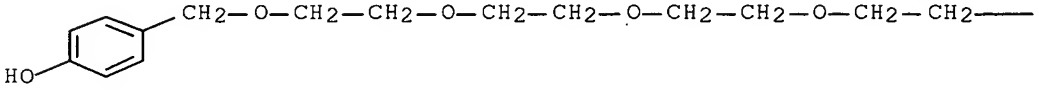
PAGE 1-A



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RN 845910-69-2 HCAPLUS
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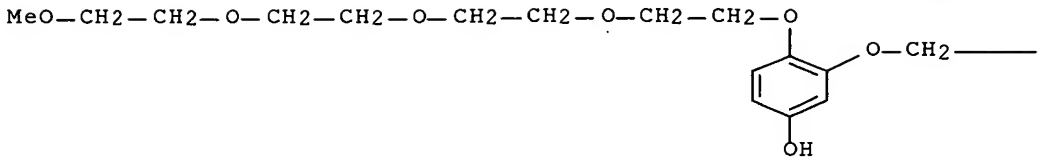
PAGE 1-A



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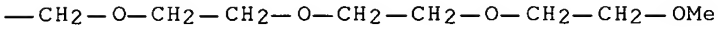

RN 845910-75-0 HCAPLUS
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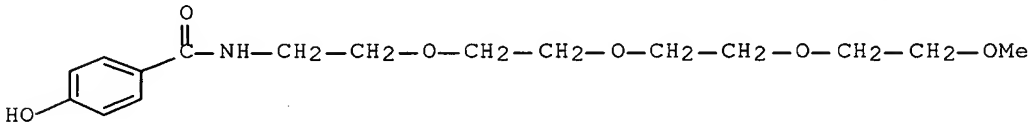
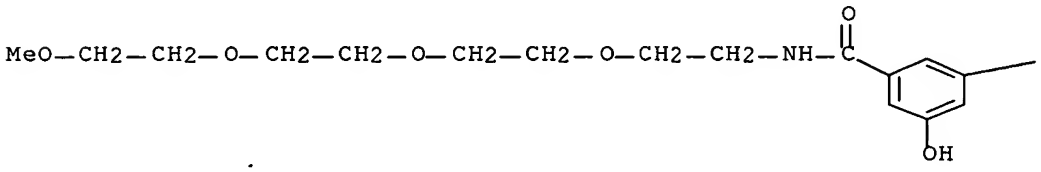


RN 845910-81-8 HCAPLUS
CN 1,3-Benzenedicarboxamide, 5-hydroxy-N,N'-bis(3,6,9,12-tetraoxatridec-1-yl)- (9CI) (CA INDEX NAME)

PAGE 1-A



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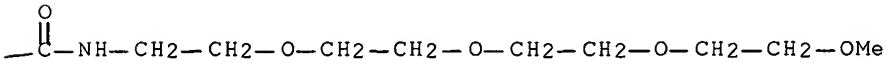
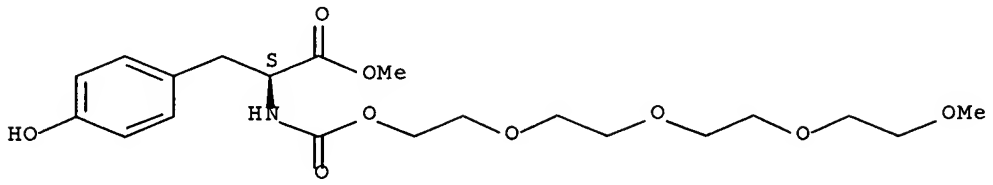


RN 845910-83-0 HCAPLUS
CN 2,5,8,11,14-Pentaoxa-16-azaoctadecan-18-oic acid, 17-[(4-

hydroxyphenyl)methyl]-15-oxo-, methyl ester, (17S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



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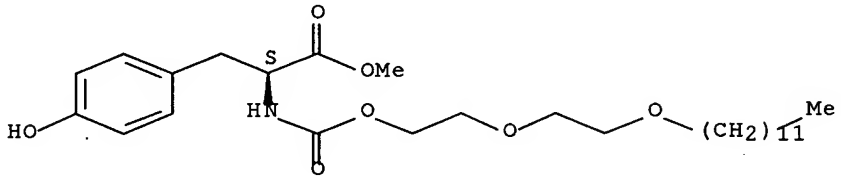
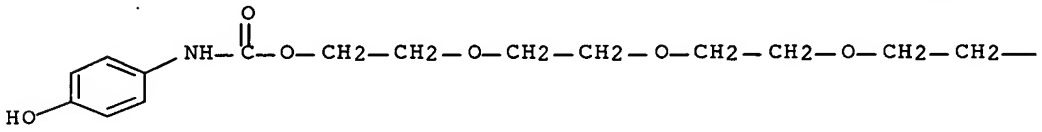
Absolute stereochemistry.



RN 845910-89-6 HCAPLUS
CN Carbamic acid, (4-hydroxyphenyl)-, 3,6,9,12-tetraoxatridec-1-yl ester (9CI) (CA INDEX NAME)

PAGE 1-A

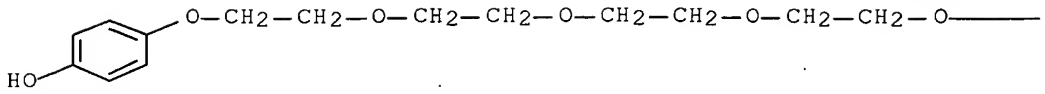


PAGE 1-B

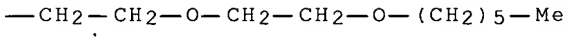
—OMe

RN 845910-97-6 HCAPLUS
CN Phenol, 4-(3,6,9,12,15,18-hexaoxatetracos-1-yloxy)- (9CI) (CA INDEX NAME)

PAGE 1-A

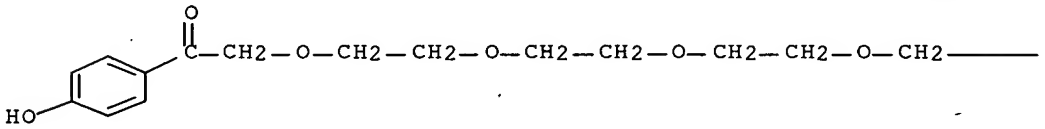


PAGE 1-B



RN 845911-07-1 HCAPLUS
CN 3,6,9,12,15-Pentaoxahexadecan-1-one, 1-(4-hydroxyphenyl)- (9CI) (CA INDEX NAME)

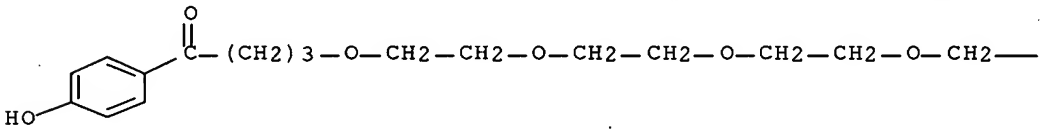
PAGE 1-A



PAGE 1-B

RN 845911-17-3 HCAPLUS
CN 5,8,11,14,17-Pentaoxaoctadecan-1-one, 1-(4-hydroxyphenyl)- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

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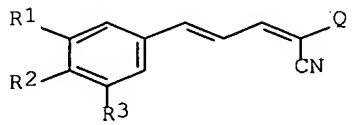
L31 ANSWER 3 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:120874 HCAPLUS Full-text
DOCUMENT NUMBER: 142:197698
TITLE: Preparation of arylcyanopentadienoates as modulators of cell proliferation
INVENTOR(S): Roifman, Chaim M.; Demin, Peter; Rounova, Olga; Grunberger, Thomas; Cimpean, Octavian Laurand
PATENT ASSIGNEE(S): The Hospital for Sick Children, Can.
SOURCE: PCT Int. Appl., 46 pp.
CODEN: PIXXD2
DOCUMENT TYPE: ***Patent***
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005012234	A1	20050210	WO 2004-CA1431	20040730 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2533287	A1	20050210	CA 2004-2533287	20040730 <--
EP 1654220	A1	20060510	EP 2004-738022	20040730 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, AL, TR, BG, CZ, EE, HU, PL, SK				

PRIORITY APPLN. INFO.: US 2003-491109P P 20030730 <--
WO 2004-CA1431 W 20040730
OTHER SOURCE(S): CASREACT 142:197698; MARPAT 142:197698
GI



I

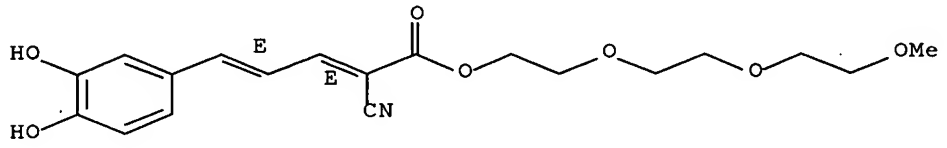
AB Title compds. [I; Q = CO2XR4, SO2R5; R1, R2, R3 = H, OH, alkyl, alkoxy, alkylcarbonyloxy, amino, alkylcarbonylamino, SH, alkylthio, NO2, CF2, OCF3, halo, etc.; R4 = (substituted) aryl; R5 = alkyl, (substituted) Ph, pyridyl; X = (CH2CH2O)n, (CH2)n; n = 1-4; with provisos], were prepared Thus, 2-(4-chlorobenzenesulfonyl)-5-(3,4-dihydroxyphenyl)penta-2E,4E- dienenitrile

(CRVIII-51) (preparation via Knoevenagel reaction outlined) killed Z119 acute lymphoblastic leukemia cells with IC50 = 0.23 μM.

IT ***569343-58-4P 569343-63-1P***
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(claimed compound; preparation of arylcyanopentadienoates as modulators of cell proliferation)

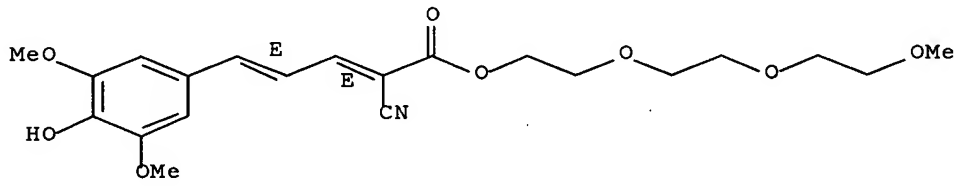
RN 569343-58-4 HCAPLUS
CN 2,4-Pentadienoic acid, 2-cyano-5-(3,4-dihydroxyphenyl)-, 2-[2-(2-methoxyethoxy)ethoxy]ethyl ester, (2E,4E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 569343-63-1 HCAPLUS
CN 2,4-Pentadienoic acid, 2-cyano-5-(4-hydroxy-3,5-dimethoxyphenyl)-, 2-[2-(2-methoxyethoxy)ethoxy]ethyl ester, (2E,4E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



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L31 ANSWER 4 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:775886 HCAPLUS Full-text
DOCUMENT NUMBER: 141:295736
TITLE: A preparation of benzene derivatives, useful as KCNQ channel modulators
INVENTOR(S): Brown, William Dalby; Teuber, Lene; Dahl, Bjarne H.
PATENT ASSIGNEE(S): Neurosearch A/S, Den.
SOURCE: PCT Int. Appl., 79 pp.
CODEN: PIXXD2
DOCUMENT TYPE: ***Patent***
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

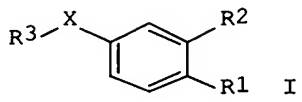
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004080377	A2	20040923	WO 2004-EP50290	20040311 <--
WO 2004080377	A3	20041104		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1603858	A2	20051214	EP 2004-719459		20040311 <--
JP 2006523196	T	20061012	JP 2006-505460		20040311 <--
US 2006173058	A1	20060803	US 2005-546533		20050822 <--
PRIORITY APPLN. INFO.:			DK 2003-370	A	20030311 <--
			WO 2004-EP50290	W	20040311

OTHER SOURCE(S): MARPAT 141:295736

GI



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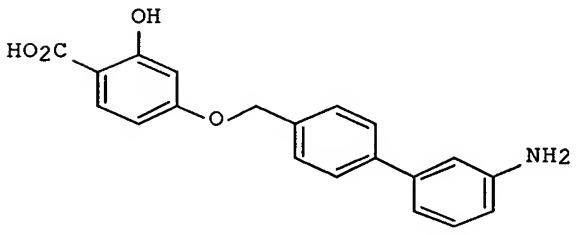


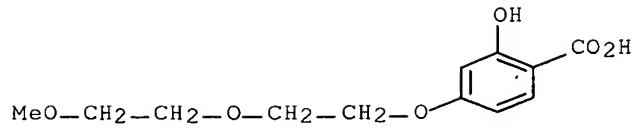
II

AB The invention relates to a preparation of benzene derivs. of formula I [wherein: R1 is OH, CN, CO2H, C(O)NH2, or tetrazolyl, etc.; R2 is halogen, haloalkyl, (cyclo)alkoxy, or NH2, etc.; R3 is (cyclo)alkyl, alkenyl, hydroxyalkyl, or carboxyalkyl, etc.; X is O, OCH2, OC(O), C(O), or N:CH, etc.], useful as modulators of KCNQ channel. For instance, benzene derivative II was found to be an activator of the KCNQ channel (electrophysiol. determination: Ik = 115%).

IT ***761455-11-2P***, 2-Hydroxy-4-[2-(2-methoxyethoxy)ethoxy]benzoic acid
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of benzene derivs., useful as KCNQ channel modulators)

RN 761455-11-2 HCAPLUS

CN Benzoic acid, 2-hydroxy-4-[2-(2-methoxyethoxy)ethoxy]- (9CI) (CA INDEX NAME)



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L31 ANSWER 5 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:467766 HCAPLUS Full-text
DOCUMENT NUMBER: 141:38847
TITLE: Preparation of modified natriuretic conjugates
INVENTOR(S): James, Kenneth D.; Radhakrishnan, Balasingam; Malkar, Navdeep B.; Miller, Mark A.; Ekwuribe, Nnochiri N.
PATENT ASSIGNEE(S): Nobex Corporation, USA
SOURCE: PCT Int. Appl., 125 pp.
CODEN: PIXXD2
DOCUMENT TYPE: ***Patent***
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004047871	A2	20040610	WO 2003-US37996	20031112 <--
WO 2004047871	A3	20050317		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2504287	A1	20040610	CA 2003-2504287	20031112 <--
AU 2003297583	A1	20040618	AU 2003-297583	20031112 <--
EP 1569683	A2	20050907	EP 2003-812053	20031112 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003016560	A	20051004	BR 2003-16560	20031112 <--
CN 1741814	A	20060301	CN 2003-80109179	20031112 <--
JP 2006515579	T	20060601	JP 2004-555809	20031126 <--
PRIORITY APPLN. INFO.:			US 2002-429151P P	20021126 <--
			WO 2003-US37996 W	20031112 <--

OTHER SOURCE(S): MARPAT 141:38847

AB The invention relates to natriuretic compound conjugates comprising (1) a biol.-active natriuretic compound having a natriuretic mol. NPR-A (natriuretic protein receptor A) binding site and at least one modifying moiety conjugation site and (2) at least one modifying moiety attached to the modifying moiety conjugation site. The natriuretic compound conjugates have increased resistance to enzymic degradation relative to a corresponding unconjugated natriuretic compound, increased circulating half life, increased bioavailability, and prolonged duration of effect. The natriuretic compound conjugates also retain a therapeutically significant percentage of cGMP

stimulating activity relative to the corresponding unconjugated natriuretic compound The synthetic examples include the synthesis of methyl-terminated polyethylene glycol (MPEGn) derivs. Biol. activities of conjugates are compared to that of native brain-type natriuretic peptide (BNP). The results point to a preference for the monoconjugate BNP that includes a Class 1 modifying moiety Lys3, e.g., in MPEG7O(CH2)5CO-peptide.

IT ***702701-66-4P***

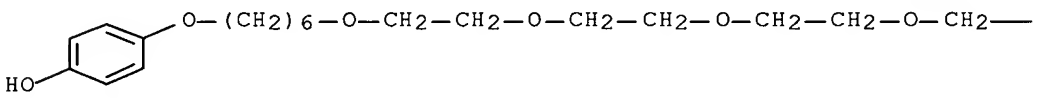
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of modified natriuretic conjugates)

RN 702701-66-4 HCAPLUS

CN Phenol, 4-(7,10,13,16,19,22,25-heptaoxahexacos-1-yloxy)- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

—CH2—O—CH2—CH2—O—CH2—CH2—OMe

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L31 ANSWER 6 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:154405 HCAPLUS Full-text

DOCUMENT NUMBER: 140:200267

TITLE: Manufacture of colorless hydroxybenzoate esters

INVENTOR(S): Kamogawa, Toshiyuki; Hattori, Kazuhiro; Fukuda, Hideo

PATENT ASSIGNEE(S): New Japan Chemical Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.

CODEN: JKXXAF

DOCUMENT TYPE: ***Patent***

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004059517	A	20040226	JP 2002-221174	20020730 <--

PRIORITY APPLN. INFO.: JP 2002-221174 20020730 <--

OTHER SOURCE(S): MARPAT 140:200267

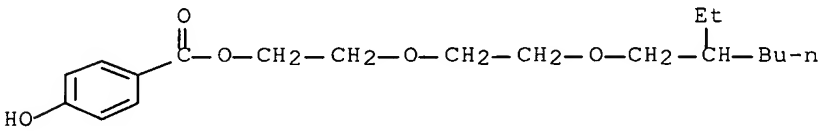
AB The esters, useful as plasticizers (no data), are manufactured by esterification of (HO)m(R1)nC6H5-m-nCO2H [R1 = (C1-6 alkoxy-substituted) C1-10 alkyl, C1-10 alkoxy, halo; m = 1-5; n = 0-4] by R2O(A1O)oH (R2 = C4-18 linear or branched alkyl; A1 = C2-4 alkylene; o = 1-8) in the presence of Sn compound catalysts. Thus, p-hydroxybenzoic acid was esterified with EHDG (2-ethylhexanol-ethylene oxide 1:2 adduct) in xylene in the presence of Sn oxide at 220° for 8-10 h to give 96.0% ester mainly comprising 2-ethylhexyloxyethoxyethyl p-hydroxybenzoate with Hazen color number 300.

IT ***212385-98-3P***

RL: IMF (Industrial manufacture); PREP (Preparation)
(manufacture of colorless hydroxybenzoate esters by esterification using Sn catalysts)

RN 212385-98-3 HCAPLUS

CN Benzoic acid, 4-hydroxy-, 2-[2-[(2-ethylhexyl)oxy]ethoxy]ethyl ester (9CI) (CA INDEX NAME)



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L31 ANSWER 7 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2003:591138 HCAPLUS Full-text

DOCUMENT NUMBER: 139:133348

TITLE: Preparation of arylpentadienoates for modulating cell proliferation

INVENTOR(S): Roifman, Chaim M.; Demin, Peter; Grunberger, Thomas; Rounova, Olga; Cimpean, Octavian Laurand

PATENT ASSIGNEE(S): The Hospital for Sick Children, Can.

SOURCE: PCT Int. Appl., 46 pp.
CODEN: PIXXD2

DOCUMENT TYPE: ***Patent***

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE	
WO 2003062190	A1	20030731	WO 2003-CA32		20030117	<--
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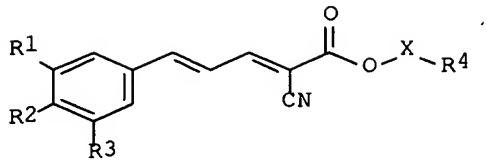
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG						
CA 2473763	A1	20030731	CA 2003-2473763		20030117	<--
EP 1467967	A1	20041020	EP 2003-700255		20030117	<--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK						
BR 2003007000	A	20041103	BR 2003-7000		20030117	<--
GB 2401363	A	20041110	GB 2004-18331		20030117	<--
GB 2401363	B	20051012				
US 2005085538	A1	20050421	US 2003-501699		20030117	<--
JP 2005515252	T	20050526	JP 2003-562074		20030117	<--
CN 1633411	A	20050629	CN 2003-804064		20030117	<--
PRIORITY APPLN. INFO.:			US 2002-349214P	P	20020118	<--
			US 2002-349215P	P	20020118	<--
			US 2002-349216P	P	20020118	<--
			WO 2003-CA32	W	20030117	<--

OTHER SOURCE(S): MARPAT 139:133348
GI



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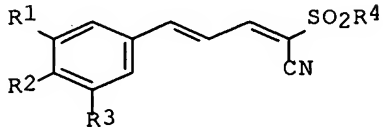


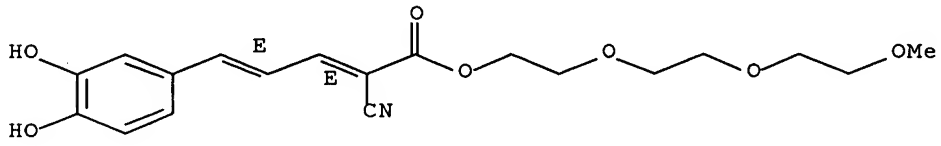
II

AB Title compds. I and II [R1-R3 = H, OH, alkyl, alkoxy, (un)substituted NH2, SH, alkylthio, NO2, CF3, OCF3, halo; R4 = (un)substituted aryl; X = (CH2CH2O)n, (CH2)n; n = 1-4] were prepared Thus, 3,4- (Me3CMe2SiO)2C6H3CH:CHCH2OH was oxidized and desilylated to give caffeoylaldehyde which was treated with benzyl cyanoacetate to give I [R1, R2 = OH, X = CH2, R3 = H, R4 = Ph] which had IC50 for inhibition of AML-3 acute myeloid leukemia in vitro of 0.09 μM.

IT ***569343-58-4P 569343-63-1P***
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of arylpentadienoates for modulating cell proliferation)

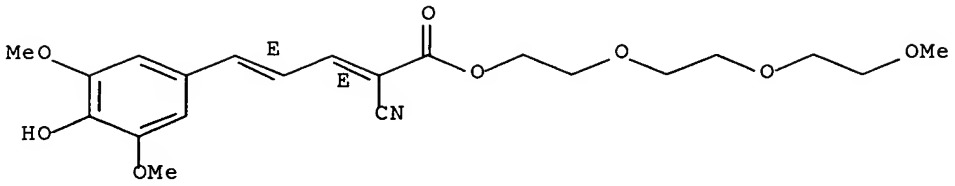
RN 569343-58-4 HCAPLUS
CN 2,4-Pentadienoic acid, 2-cyano-5-(3,4-dihydroxyphenyl)-, 2-[2-(2-methoxyethoxy)ethoxy]ethyl ester, (2E,4E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 569343-63-1 HCAPLUS
CN 2,4-Pentadienoic acid, 2-cyano-5-(4-hydroxy-3,5-dimethoxyphenyl)-, 2-[2-(2-methoxyethoxy)ethoxy]ethyl ester, (2E,4E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



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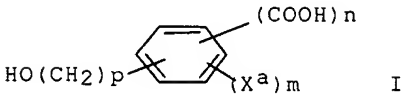
L31 ANSWER 8 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:977900 HCAPLUS Full-text
DOCUMENT NUMBER: 138:56862
TITLE: Plasticizer for polyester resins and polyester compositions with good flexibility, transparency, and heat resistance
INVENTOR(S): Tsuchihashi, Masaaki; Takenaka, Akira
PATENT ASSIGNEE(S): Kao Corporation, Japan
SOURCE: PCT Int. Appl., 37 pp.
CODEN: PIXXD2
DOCUMENT TYPE: ***Patent***
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002102897	A1	20021227	WO 2002-JP5919	20020613 <--
W: CN, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
JP 2002363390	A	20021218	JP 2001-178171	20010613 <--
JP 2003003051	A	20030108	JP 2001-189315	20010622 <--
JP 2003160719	A	20030606	JP 2001-362133	20011128 <--
EP 1403322	A1	20040331	EP 2002-736089	20020613 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR				
JP 2004002602	A	20040108	JP 2002-204316	20020712 <--
JP 3749203	B2	20060222		
US 2006183832	A1	20060817	US 2004-478847	20040604 <--

PRIORITY APPLN. INFO.:

JP 2001-178171	A	20010613 <--
JP 2001-189315	A	20010622 <--
JP 2001-215703	A	20010716 <--
JP 2001-362133	A	20011128 <--
JP 2002-117232	A	20020419 <--
WO 2002-JP5919	W	20020613 <--

OTHER SOURCE(S): MARPAT 138:56862
GI

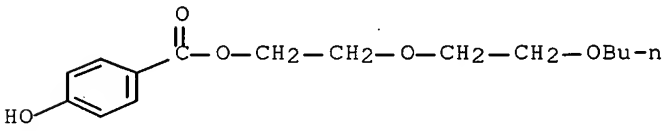


I

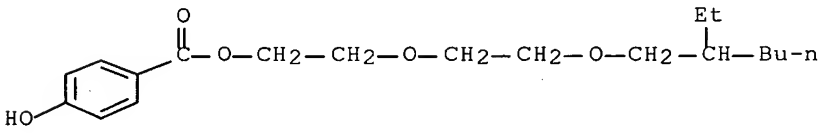
AB The invention provides (A) a plasticizer for amorphous polyester resin which can impart flexibility to the resin without impairing the transparency inherent in the resin and (B) an amorphous polyester resin composition, where plasticizer is an ester prepared from a component selected from aromatic hydroxycarboxylic acids I, condensed polycyclic aromatic hydrocarboxylic acids, and alicyclic hydroxycarboxylic acids and a component selected from aliphatic alcs., alicyclic alcs., aromatic alcs., phenols, alkylphenyls, and their alkylene oxide adducts, wherein Xa = H, OH, C1-22 alkyl, alkenyl, alkoxy, or halogen; n, m = ≥1 integer; n + m = 5; and p = 0-3 integer. Thus, a composition comprising Tsunami GS 2 amorphous polyester 100, montanic acid wax 0.8, and 2-hydroxyhexyl p-hydroxybenzoate 20 parts was kneaded at 165° for 15 min and press-molded at 190° to give a 1 mm-thick test piece with 100% modulus 7.6 MPa, haze 2.0%, no bending whitening, and no plasticizer bleeding initially, and 100% modulus 7.5 MPa, haze 2.0%, and no plasticizer bleeding after heat treatment at 60° for 1 wk.

IT ***86877-08-9***, Diethylene glycol butyl ether p-hydroxybenzoate ***212385-98-3***, Diethylene glycol 2-ethylhexyl ether p-hydroxybenzoate ***478866-54-5***, Diethylene glycol 2-ethylhexyl ether salicylate ***478866-57-8***
RL: MOA (Modifier or additive use); USES (Uses)
(plasticizer; polyester compns. with good flexibility, transparency, and heat resistance containing plasticizers)

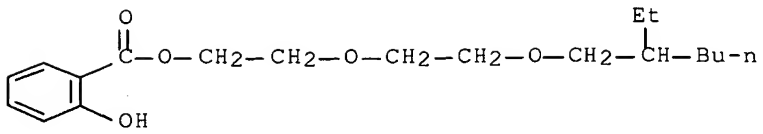
RN 86877-08-9 HCAPLUS
CN Benzoic acid, 4-hydroxy-, 2-(2-butoxyethoxy)ethyl ester (9CI) (CA INDEX NAME)



RN 212385-98-3 HCAPLUS
CN Benzoic acid, 4-hydroxy-, 2-[2-[(2-ethylhexyl)oxy]ethoxy]ethyl ester (9CI) (CA INDEX NAME)

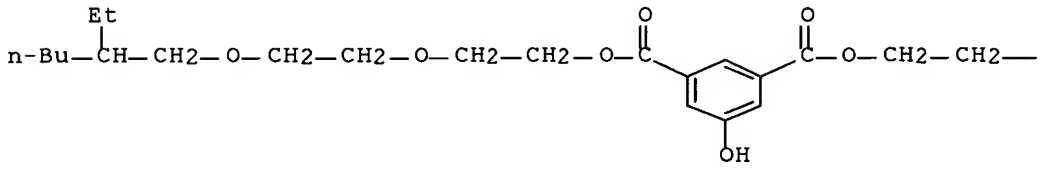


RN 478866-54-5 HCAPLUS
CN Benzoic acid, 2-hydroxy-, 2-[2-[(2-ethylhexyl)oxy]ethoxy]ethyl ester (9CI) (CA INDEX NAME)

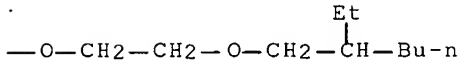


RN 478866-57-8 HCAPLUS
CN 1,3-Benzenedicarboxylic acid, 5-hydroxy-, bis[2-[2-[(2-ethylhexyl)oxy]ethoxy]ethyl] ester (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



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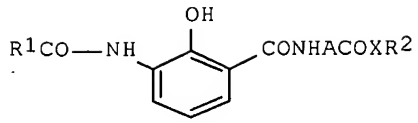
L31 ANSWER 9 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:568100 HCAPLUS Full-text
DOCUMENT NUMBER: 137:124992
TITLE: Preparation of (acylamino)salicylic acids and their use as agrochemical fungicides
INVENTOR(S): Hara, Yoshihiko; Saika, Michiyuki
PATENT ASSIGNEE(S): Nippon Soda Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 32 pp.
CODEN: JKXXAF
DOCUMENT TYPE: ***Patent***
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE	
JP 2002212157	A	20020731	JP 2001-89139		20010327	<--
PRIORITY APPLN. INFO.:			JP 2000-90870	A	20000329	<--
			JP 2000-350481	A	20001117	<--

OTHER SOURCE(S): MARPAT 137:124992
GI



I

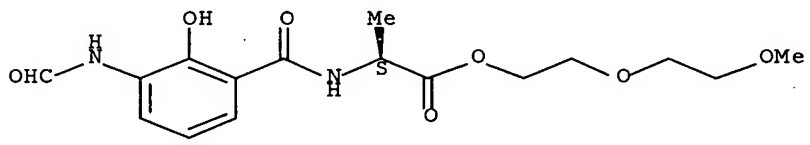
AB Title compds. I [R1 = H, C1-4 alkyl; A = (un)substituted C1-6 alkylene; X = O, NR3, CR3R4; R2 = (un)substituted C1-16 alkyl, (un)substituted C3-10 cycloalkyl, (un)substituted C2-10 alkenyl, etc.; R3, R4 = H, C1-10 alkyl, C2-6 alkenyl, C2-6 alkynyl, C1-6 alkoxy; NR2R3 may form ring] and their salts are prepared Thus, N-(1-n-heptyloxycarbonylethyl)-2-benzyloxy-3- nitrobenzamide was hydrogenated over Pd/C in AcOEt, filtered, evaporated, and treated with N-formylimidazole in CH2Cl2 to give 53% I (R1 = H, A = CHMe, XR2 = OC7H15-n), which showed ≥75% antifungal activity against Venturia inaequalis.

IT ***444095-54-9P***
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of (acylamino)salicylic acids as agrochem. fungicides)

RN 444095-54-9 HCAPLUS

CN L-Alanine, N-[3-(formylamino)-2-hydroxybenzoyl]-, 2-(2-methoxyethoxy)ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



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L31 ANSWER 10 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2002:65827 HCAPLUS Full-text

DOCUMENT NUMBER: 136:142691

TITLE: Colored light-sensitive material composition for color filter in liquid crystal displays

INVENTOR(S): Azuma, Manabu; Itahara, Toshihide; Fujishiro, Koichi; Yokoyama, Naoki

PATENT ASSIGNEE(S): Nippon Steel Chemical Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.
CODEN: JKXXAF

DOCUMENT TYPE: ***Patent***

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002022925	A	20020123	JP 2000-210106	20000711 <--
TW 574611	B	20040201	TW 2001-90116276	20010703 <--

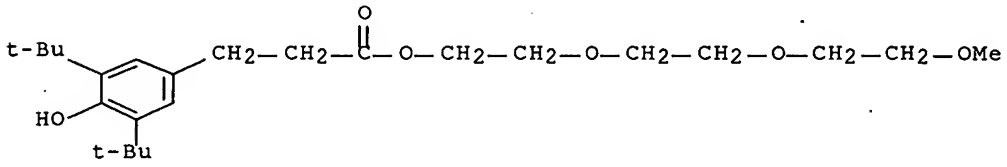
PRIORITY APPLN. INFO.: JP 2000-210106 A 20000711 <--

AB The title composition contains an antioxidant, a photopolymn. initiator, a light-sensitive resin and/or a light-sensitive resin forming monomers, and a dispersed pigment, wherein the antioxidant is a hindered phenol and wherein the dispersed pigment is a phthalocyanine blue. The composition provides the color filter of the fine pattern precision for liquid crystal displays.

IT ***39240-47-6***, 3,6,9-Trioxadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate
RL: TEM (Technical or engineered material use); USES (Uses)
(colored light-sensitive material composition for liquid crystal displays)

RN 39240-47-6 HCAPLUS

CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2-[2-(2-methoxyethoxy)ethoxy]ethyl ester (9CI) (CA INDEX NAME)



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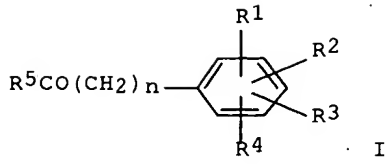
L31 ANSWER 11 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2001:762847 HCAPLUS Full-text
DOCUMENT NUMBER: 135:303675
TITLE: Preparation of lipophilic aromatic aldehyde and ketone derivatives and the use thereof as immunostimulants and adjuvants
INVENTOR(S): Marciani, Dante J.; Press, Jeffery B.
PATENT ASSIGNEE(S): Galenica Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 103 pp.
CODEN: PIXXD2
DOCUMENT TYPE: ***Patent***
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001076626	A2	20011018	WO 2001-US11590	20010410 <--
WO 2001076626	A3	20020221		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2000-196268P P 20000411 <--
OTHER SOURCE(S): MARPAT 135:303675
GI



I

AB The title compds. [I; R1 = -(L)p-Z; wherein L = a bifunctional linker selected from the group consisting of O, NH, NMe, S, SO2, X-NH, CO2-X, XCO, X-(CH2)s-CONH, O(CH2)sCON:, OCH2CH2N:, O2CNH, OCH2CH2OCH2CH2O, OCH2CH(OH)CH2O, OCH2CH(OH), X(CH2)s, X(CH2), Y, and an amino acid; wherein X and Y are independently selected form the group consisting of O, NH, NMe, S, and SO2, and when an amino nitrogen is at the end of the linker, then two Z groups, which can be the same or different, are attached to the amino group, wherein s = 1 to 6; Z = (A) alkyl, alkoxy, or polyalkoxy, or (B) aralkyl or aralkoxy (wherein all these groups A and B is optionally substituted and the group B is of sufficient chain length to allow the compound to form a micelle in aqueous solution with other like compds., and the carbon chain in the group B is optionally interrupted with one or more oxygen, nitrogen or sulfur); R2 = (L)p-Z, H, alkyl, alkoxy, alkoxyalkoxy, alkylaryl, arylalkyl, alkoxyaryl, etc., all of which can be optionally substituted; R3, R4 = hydrogen, hydroxy, alkyl, halogen, alkoxy, carboxylic acid, sulfonic acid, cyano, 5-tetrazolyl, alkylsulfonylcarbamoyl, phosphonic acid; R5 = H, Me; n = 0 to 4; p = 0, 1] or pharmaceutically acceptable salt or an ester thereof are prepared Claimed is a method for enhancing the potentiation of an immune response in a vertebrate which comprises administering an effective amount of I, in an amount sufficient to enhance the immune response of a vertebrate to one or more antigens. These substituted aryl- and arylalkyl aldehyde derivs. are useful in activating the immune system for use in prophylactic and therapeutic vaccines as well as general enhancement of the immune response (no data). Thus, etherification of 2,4-dihydroxybenzaldehyde with 1-bromodecane in the presence of K2CO3 in ethanol under heating gave 4-decyloxy-2-hydroxybenzaldehyde which was carboxylated by carbon dioxide in the presence of K2CO3 in aqueous ethanol and acidified with HCl to give 5-carboxy-4-decyloxy-2-hydroxybenzaldehyde.

IT ***365549-64-0P***

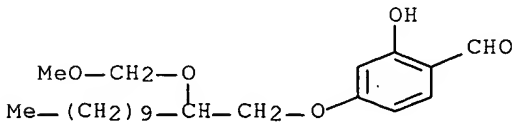
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(intermediate; preparation of lipophilic aromatic aldehyde and ketone derivs.

as immunostimulants and adjuvants)

RN 365549-64-0 HCAPLUS

CN Benzaldehyde, 2-hydroxy-4-[[2-(methoxymethoxy)dodecyl]oxy]- (9CI) (CA INDEX NAME)



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L31 ANSWER 12 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2001:355084 HCAPLUS Full-text
DOCUMENT NUMBER: 134:353297
TITLE: Preparation of thienopyridines and thienopyrimidines as cell adhesion-inhibiting antiinflammatory compounds
INVENTOR(S): Stewart, Andrew O.; Boyd, Steven A.; Arendsen, David L.; Bhatia, Pramila; Condroski, Kevin R.; Freeman, Jennifer C.; Gunawardana, Indrani W.; Zhu, Gui-dong; Lartey, Kraig; Mccarty, Catherine M.; Mort, Nicholas A.; Patel, Meena V.; Staeger, Michael A.; Stout, David M.
PATENT ASSIGNEE(S): Abbott Laboratories, USA
SOURCE: U.S., 117 pp.
CODEN: USXXAM
DOCUMENT TYPE: ***Patent***
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE	
US 6232320	B1	20010515	US 1999-325336		19990603	<--
CA 2390948	A1	20001214	CA 1999-2390948		19990628	<--
JP 2004509059	T	20040325	JP 2001-502427		19990628	<--
BR 9916746	A	20050111	BR 1999-16746		19990628	<--
US 2001020030	A1	20010906	US 2001-799729		20010306	<--
US 6579882	B2	20030617				
US 2003220365	A1	20031127	US 2003-387317		20030312	<--
PRIORITY APPLN. INFO.:			US 1998-87907P	P	19980604	<--
			US 1999-325336	A	19990603	<--
			WO 1999-US14596	W	19990628	<--
			US 2001-799729	A3	20010306	<--

OTHER SOURCE(S): MARPAT 134:353297
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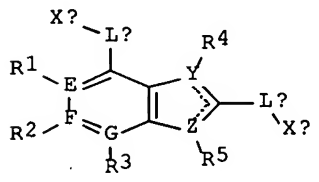

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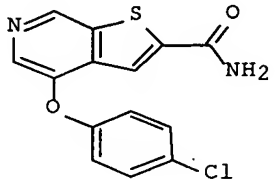


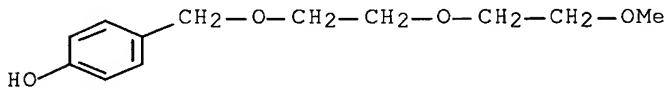
II

AB The title compds. [I; E, F, and G = C, N, N(:O); Y, Z = C, N, O, S(O)n; n = 0-2; LA = covalent bond, O, S(O)n, etc.; XA = halo, (un)substituted alkyl, etc.; LB = covalent bond, O, S(O)n, etc.; XB = H, alkyl, alkenyl, etc.; R1-R5 = absent, H, halo, etc.] were prepared as antiinflammatory compds. I inhibited the expression of e-selectin and ICAM-1 relative to VCAM-1 and are useful for the treatment or prophylaxis of diseases caused by expression of adhesion mols. Examples include syntheses for over 300 invention compds. and e-selectin, ICAM-1, and VCAM-1 inhibition potencies for approx. 90 representative compds. For instance, 4-chlorophenol was treated with KOBu-t in THF and added to 3,5-dichloropyridine-4- carboxaldehyde in THF. Cycloaddn. with Me thioglycolate in the presence of Cs2CO3, followed by conversion to the

amide by heating to 45°C in methanolic NH3 for 18 h, afforded 4-(4-chlorophenoxy)thieno[2,3- c]pyridine-2-carboxamide (II). II inhibited e-selectin, ICAM-1, and VCAM-1 by 82%, 74%, and 50%, resp., at concns. of 1 μM.

IT ***115319-74-9***
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of thienopyridines and thienopyrimidines antiinflammatory agents by cycloaddn. of thioglycolates or thiols with halopyridines or halopyrimidines)

RN 115319-74-9 HCAPLUS
CN Phenol, 4-[[2-(2-methoxyethoxy)ethoxy]methyl]- (9CI) (CA INDEX NAME)



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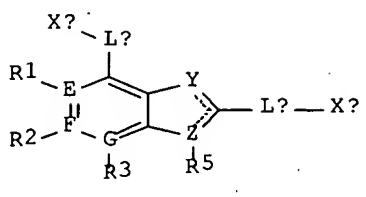
L31 ANSWER 13 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2000:881155 HCAPLUS Full-text
DOCUMENT NUMBER: 134:42120
TITLE: Preparation of thienopyridines and thienopyrimidines as cell adhesion-inhibiting antiinflammatory compounds
INVENTOR(S): Arendsen, David L.; Bhatia, Pramila; Boyd, Steven A.; Condroski, Kevin R.; Freeman, Jennifer C.; Gunawardana, Indrani W.; Lartey, Kraig; McCarty, Catherine M.; Mort, Nicholas A.; Patel, Meena V.; Staeger, Michael A.; Stewart, Andrew O.; Stout, David M.; Zhu, Gui-Dong
PATENT ASSIGNEE(S): Abbott Laboratories, USA
SOURCE: PCT Int. Appl., 320 pp.
CODEN: PIXXD2
DOCUMENT TYPE: ***Patent***
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000075145	A1	20001214	WO 1999-US14596	19990628 <--
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2390948	A1	20001214	CA 1999-2390948	19990628 <--
AU 9948388	A1	20001228	AU 1999-48388	19990628 <--
EP 1181296	A1	20020227	EP 1999-931986	19990628 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
JP 2004509059	T	20040325	JP 2001-502427	19990628 <--
BR 9916746	A	20050111	BR 1999-16746	19990628 <--
PRIORITY APPLN. INFO.:			US 1999-306199 A	19990603 <--

US 1999-325336 A 19990603 <--
WO 1999-US14596 W 19990628 <--

OTHER SOURCE(S): MARPAT 134:42120

GI



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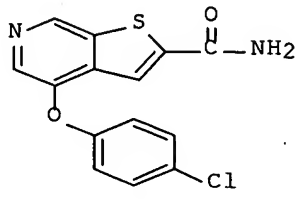


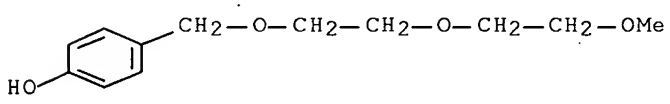
II

AB The title compds. (I) [wherein E, F, and G = independently C, N, or N(:O); Y and Z = independently C, N, O, or S(O)n; n = 0-2; LA = covalent bond, O, S(O)n, NR6, C(:W), or alkenylene; R6 = H or (un)substituted alkyl; W = O or S; XA = halo or (un)substituted alkyl; LB = covalent bond, O, S(O)n, NR6, C(:W), or C(:NR13); NR13 = H, NO2, CN, OH, aryloxy, or (un)substituted alkoxy; XB = H, alkoxy, OH, aryl, heterocyclyl, CN, CHO, halo or (un)substituted alkyl, alkenyl, amino, urea, (thio)amido, or B(OH)2; R1-R5 = absent or independently H, halo, alkoxy, perfluoroalkyl, OH, SH, alkylthio, heterocyclyl, or (un)substituted alkyl, carboxy, amido, arylthio, or amino] were prepared as antiinflammatory compds. I inhibited the expression of e-selectin and ICAM-1 relative to VCAM-1 and are useful for the treatment or prophylaxis of diseases caused by expression of adhesion mols. Examples include syntheses for over 300 invention compds. and E-selectin, ICAM-1, and VCAM-1 inhibition potencies for approx. 90 representative compds. For instance, 4-chlorophenol was treated with KOBu-t in THF and added to 3,5-dichloropyridine-4-carboxaldehyde in THF. Cycloaddn. with Me thioglycolate in the presence of Cs2CO3, followed by conversion to the amide by heating to 45°C in methanolic NH3 for 18 h, afforded 4-(4-chlorophenoxy)thieno[2,3-c]pyridine-2-carboxamide (II). II inhibited e-selectin, ICAM-1, and VCAM-1 by 82%, 74%, and 50%, resp., at concns. of 1 μM.

IT ***115319-74-9***, 4-[2-(2-Methoxyethoxy)ethoxymethyl]phenol
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of thienopyridines and thienopyrimidines antiinflammatory agents by cycloaddn. of thioglycolates or thiols with halopyridines or halopyrimidines)

RN 115319-74-9 HCAPLUS

CN Phenol, 4-[[2-(2-methoxyethoxy)ethoxy]methyl]- (9CI) (CA INDEX NAME)



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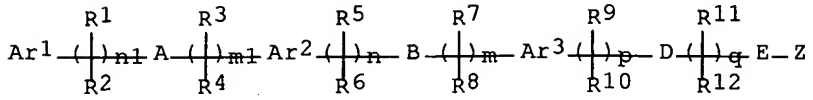
L31 ANSWER 14 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2000:772613 HCAPLUS Full-text
DOCUMENT NUMBER: 133:335164
TITLE: Tri-aryl acid derivatives as PPAR receptor ligands
INVENTOR(S): Jayyosi, Zaid; McGeehan, Gerard M.; Kelley, Michael F.; Labaudiniere, Richard F.; Zhang, Litao; Caulfield, Thomas J.; Minnich, Anne; Bobko, Mark; Morris, Robert; Groneberg, Robert D.; Mcgarry, Daniel G.
PATENT ASSIGNEE(S): Aventis Pharmaceuticals Products Inc., USA
SOURCE: PCT Int. Appl., 257 pp.
CODEN: PIXXD2
DOCUMENT TYPE: ***Patent***
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE	
WO 2000064876	A1	20001102	WO 2000-US11490		20000428	<--
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW						
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG						
CA 2371308	A1	20001102	CA 2000-2371308		20000428	<--
EP 1177176	A1	20020206	EP 2000-930210		20000428	<--
EP 1177176	B1	20060419				
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY						
BR 2000010126	A	20020226	BR 2000-10126		20000428	<--
HU 200200997	A2	20020729	HU 2002-997		20000428	<--
EE 200100558	A	20021216	EE 2001-558		20000428	<--
NZ 515087	A	20031128	NZ 2000-515087		20000428	<--
AU 782404	B2	20050728	AU 2000-48070		20000428	<--
AT 323678	T	20060515	AT 2000-930210		20000428	<--
RU 2278860	C2	20060627	RU 2001-132081		20000428	<--
PT 1177176	T	20060831	PT 2000-930210		20000428	<--
ES 2261202	T3	20061116	ES 2000-930210		20000428	<--
US 7005440	B1	20060228	US 2000-724496		20001128	<--
ZA 2001008800	A	20030210	ZA 2001-8800		20011024	<--
NO 2001005226	A	20011205	NO 2001-5226		20011025	<--
HR 2001000793	A1	20030228	HR 2001-793		20011026	<--
HK 1047098	A1	20050520	HK 2002-108625		20021129	<--
PRIORITY APPLN. INFO.:			US 1999-131454P	P	19990428	<--
			WO 2000-US11490	W	20000428	<--

OTHER SOURCE(S): MARPAT 133:335164
GI



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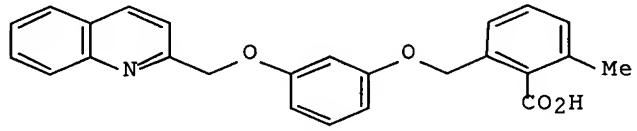


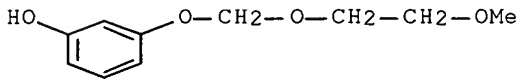
II

AB This invention is directed to triaryl acid derivs. I and their salts, N-oxides, hydrates, solvates, and pharmaceutical compns. [wherein: Ar1, Ar2, Ar3 = aryl, fused arylcycloalkenyl, fused arylcycloalkyl, fused arylheterocyclenyl, fused arylheterocyclyl, heteroaryl, fused heteroarylcycloalkemyl, fused heteroarylcycloalkyl, fused heteroarylheterocyclenyl, or fused heteroarylheterocyclyl; A = bond, O, S, SO, SO2, CO, (un)substituted NH, NHCO, CONH, NHCONH, CH:N, etc.; B = bond, O, S, SO, SO2, C.tplbond.C, CO, (un)substituted NH, NHCO, or CONH; D = bond, O, S, C.tplbond.C, CO, (un)substituted NH, NHCO, or CONH; E = bond, CH2CH2; Z = (un)substituted CO2H, CHO, cyclo-imide, cyano, sulfonylaminocarbonyl, sulfonylamino, carbamoyl, tetrazolyl, etc.; R1, R3, R5, R7, R9, R11 = H, halo, alkyl, CO2H, alkoxycarbonyl, aralkyl; R2, R4, R6, R8, R10, R12 = (CH2)0-3X (where X = H or various substituents); n1 = 0-4; m1 = 0-4; n = 0-4; m = 0-5; p = 0-4; q = 0-6; with numerous provisos]. The compds. are PPAR receptor ligands, useful as agonists or antagonists thereof (no data). For instance, 2,6-dimethylbenzoic acid underwent a sequence of: (1) Me esterification, (2) benzylic monobromination, (3) etherification with 3-(quinolin-2-ylmethoxy)phenol, and (4) alkaline hydrolysis with NaOH in aqueous EtOH, to give title compound II.

IT ***303224-14-8P***
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of tri-aryl acid derivs. as PPAR receptor ligands)

RN 303224-14-8 HCAPLUS

CN Phenol, 3-[(2-methoxyethoxy)methoxy]- (9CI) (CA INDEX NAME)



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L31 ANSWER 15 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2000:421114 HCAPLUS Full-text
DOCUMENT NUMBER: 133:58803
TITLE: Preparation of 2-arylindole- or -benzimidazolecarboxamidines and analogs as serine protease inhibitors
INVENTOR(S): Allen, Darin Arthur; Hataye, Jason M.; Hruzewicz, Witold N.; Kolesnikov, Aleksandr; Mackman, Richard Laurence; Rai, Roopa; Spencer, Jeffrey R.; Verner,

Erik J.; Young, Wendy B.
PATENT ASSIGNEE(S): Axys Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 187 pp.
CODEN: PIXXD2
DOCUMENT TYPE: ***Patent***
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000035886	A2	20000622	WO 1999-US30302	19991217 <--
WO 2000035886	A3	20001026		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2355249	A1	20000622	CA 1999-2355249	19991217 <--
EP 1140859	A2	20011010	EP 1999-968917	19991217 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
BR 9916363	A	20011211	BR 1999-16363	19991217 <--
HU 200104987	A2	20020729	HU 2001-4987	19991217 <--
EE 200100323	A	20020815	EE 2001-323	19991217 <--
JP 2002532479	T	20021002	JP 2000-588148	19991217 <--
NZ 512375	A	20031128	NZ 1999-512375	19991217 <--
AU 779117	B2	20050106	AU 2000-27115	19991217 <--
TR 200102533	T2	20060621	TR 2001-200102533	19991217 <--
NO 2001002980	A	20010801	NO 2001-2980	20010615 <--
US 6867200	B1	20050315	US 2002-868276	20020118 <--
PRIORITY APPLN. INFO.:			US 1998-113007P P	19981218 <--
			WO 1999-US30302 W	19991217 <--

OTHER SOURCE(S): MARPAT 133:58803
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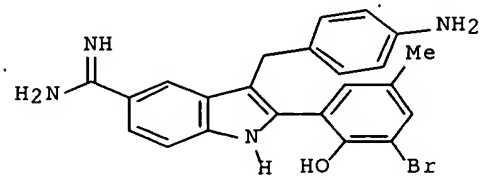
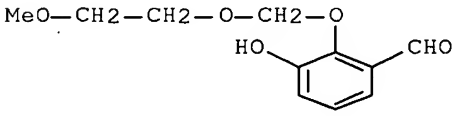


I

AB R1Z1Z2R2 [I; R1 = H2NC(:NH), etc.; R2 = halo, OH, CO2H, phenyl(alkyl)oxy, etc.; Z1 = (un)substituted indolylene, -benzimidazolylene, etc.; Z2 = (un)substituted phenylene, pyridinediyl, etc.] were prepared Thus, 1-(3-bromo-2-hydroxy-5-methylphenyl)-3-(4-nitrophenyl)-1-propanone was condensed with 4-(H2NHN)C6H4C(:NH)NH2 and the product cyclized to give, after reduction, title compound II. Data for biol. activity of I were given.

IT ***277313-16-3P***
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of 2-arylindole- or -benzimidazolecarboxamidines and analogs as
serine protease inhibitors)
RN 277313-16-3 HCAPLUS
CN Benzaldehyde, 3-hydroxy-2-[(2-methoxyethoxy)methoxy]- (9CI) (CA INDEX NAME)



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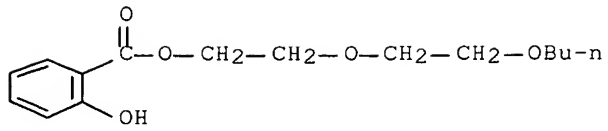
L31 ANSWER 16 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2000:108117 HCAPLUS Full-text
DOCUMENT NUMBER: 132:148052
TITLE: Acaricides and nematocides containing ethylene glycol esters
INVENTOR(S): Ikenaga, Kazutoshi; Fujii, Katsutoshi; Hatano, Koji
PATENT ASSIGNEE(S): Ube Industries, Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DOCUMENT TYPE: ***Patent***
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000044405	A	20000215	JP 1998-220133	19980804 <--
PRIORITY APPLN. INFO.:			JP 1998-220133	19980804 <--

OTHER SOURCE(S): MARPAT 132:148052
AB Pesticides, useful for control of mites, soil nematodes, pine wood nematode, etc., contain R1(OCH2CH2)nO2CR2 [I; R1 = C1-10 alkyl; R2 = C1-10 (halo)alkyl, (substituted) Ph; n = 1-4] as active ingredients. An acaricidal sheet containing 1 g/m2 I (R1 = hexyl, R2 = Me, n = 1) (preparation given) showed 100% control of Tyrophagus putrescentiae.
IT ***65883-06-9P***
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(pesticides containing ethylene glycol esters against mites and nematodes)
RN 65883-06-9 HCAPLUS
CN Benzoic acid, 2-hydroxy-, 2-(2-butoxyethoxy)ethyl ester (9CI) (CA INDEX NAME)



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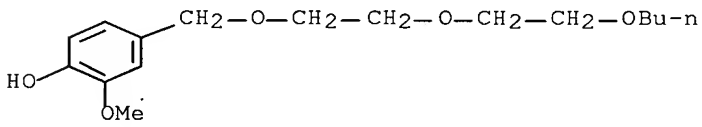
L31 ANSWER 17 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2000:62592 HCAPLUS Full-text
DOCUMENT NUMBER: 132:97882
TITLE: Cosmetics containing vanillyl alcohol derivatives and natural products
INVENTOR(S): Kimura, Mitsutoshi; Ishii, Tomomi; Sato, Hirotaka
PATENT ASSIGNEE(S): Kao Corp., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: ***Patent***
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000026267	A	20000125	JP 1998-195507	19980710 <--
PRIORITY APPLN. INFO.:			JP 1998-195507	19980710 <--

OTHER SOURCE(S): MARPAT 132:97882
AB Skin prepns. which provide long-lasting warm effects comprise (1) vanillyl alc. alkyl ether and (2) ≥1 agents selected from the group consisting of Capsicuum annuum exts., ginger exts., isovanillyl ether, ethylvanillyl ether, veratryl ether, and substituted benzyl alc. alkoxyalkyl ether. A lotion contained nylon powder (5 μm) 20, isovanillyl Bu ether 3, vanillyl Bu ether 0.005, ethanol 30, Carbopol 941 0.15, perfumes, colors, NaOH q.s., and distilled water q.s. to 100 %.
IT ***232946-17-7P***
RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of vanillyl ethers for cosmetic uses)
RN 232946-17-7 HCAPLUS
CN Phenol, 4-[[2-(2-butoxyethoxy)ethoxy]methyl]-2-methoxy- (9CI) (CA INDEX NAME)



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L31 ANSWER 18 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1999:784103 HCAPLUS Full-text
DOCUMENT NUMBER: 132:22956
TITLE: Preparation of thienopyrimidinecarboxamides and

analogs as cell adhesion-inhibiting antiinflammatory compounds

INVENTOR(S): Stewart, Andrew O.; Boyd, Steven A.; Arendsen, David L.; Bhatia, Pramila; Condroski, Kevin R.; Freeman, Jennifer C.; Gunawardana, Indrani W.; Zhu, Gui-Dong; Lartey, Kraig; McCarty, Catherine M.; Mort, Nicholas A.; Patel, Meena V.; Staeger, Michael A.; Stout, David M.

PATENT ASSIGNEE(S): Abbott Laboratories, USA

SOURCE: PCT Int. Appl., 282 pp.
CODEN: PIXXD2

DOCUMENT TYPE: ***Patent***

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

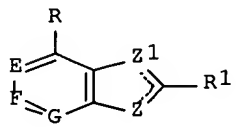
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9962908	A2	19991209	WO 1999-US12419	19990603 <--
WO 9962908	A3	20000330		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2333770	A1	19991209	CA 1999-2333770	19990603 <--
AU 9942312	A	19991220	AU 1999-42312	19990603 <--
EP 1090009	A2	20010411	EP 1999-926157	19990603 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, SI, FI, RO				
TR 200100189	T2	20010521	TR 2001-200100189	19990603 <--
HU 200102366	A2	20011128	HU 2001-2366	19990603 <--
BR 9910864	A	20020205	BR 1999-10864	19990603 <--
JP 2002517396	T	20020618	JP 2000-552119	19990603 <--
IN 2000MN00668	A	20050318	IN 2000-MN668	20001124 <--
NO 2000006157	A	20010202	NO 2000-6157	20001204 <--
BG 105109	A	20011130	BG 2001-105109	20010103 <--

PRIORITY APPLN. INFO.:

US 1998-90701	A	19980604 <--
IN 1997-BO518	A3	19970904 <--
WO 1999-US12419	W	19990603 <--

OTHER SOURCE(S): MARPAT 132:22956

GI



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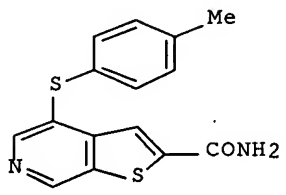


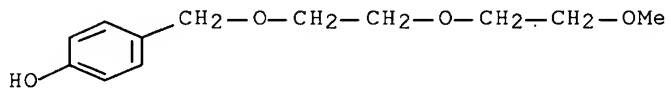
II

AB Title compds. [I; EF:G = (un)substituted NCH:CH, -CHN:CH, -NCH:N, etc.; R = Z1R2; R1 = Z3R3; R2 = H, halo, alkyl, alkoxy, aryl, etc.; R3 = H, alkyl, alkoxy, aryl, CONH2, etc.; Z, Z1 = (un)substituted CH, -CH2, -NH, N, O, SO0-2; Z2,Z3 = bond, O, S, (alkyl)imino, CO, etc.; dashed lines = optional position of optional addnl. bond], inhibitors of e-selectin and ICAM-1 expression, were prepared Thus, 3,5-dichloropyridine was carbonylated and the product thioetherified by 4-MeC6H4SH to give 3-(4-methylphenylthio)-5- chloro-4-pyridinecarboxaldehyde which was cyclocondensed with HSCH2CO2Me to give, in 2 addnl. steps, title compound II. Data for biol. activity of I were given.

IT ***115319-74-9***
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of thienopyrimidinecarboxamides and analogs as cell adhesion-inhibiting antiinflammatory compds.)

RN 115319-74-9 HCAPLUS

CN Phenol, 4-[[2-(2-methoxyethoxy)ethoxy]methyl]- (9CI) (CA INDEX NAME)



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L31 ANSWER 19 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1999:783963 HCAPLUS Full-text

DOCUMENT NUMBER: 132:29966

TITLE: Texaphyrin-chemotherapeutic conjugates and their pharmaceutical formulations for chemotherapy, radiation sensitization, photodynamic therapy, sonodynamic therapy, and as antiatherosclerotics

INVENTOR(S): Sessler, Jonathan L.; Magda, Darren; Mody, Tarak; Anzenbacher, Pavel; Carvalho, Joan

PATENT ASSIGNEE(S): Board of Regents, the University of Texas System, USA; Pharmacyclics, Inc.

SOURCE: PCT Int. Appl., 88 pp.
CODEN: PIXXD2

DOCUMENT TYPE: ***Patent***

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9962551	A1	19991209	WO 1999-US12614	19990604 <--
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2334809	A1	19991209	CA 1999-2334809	19990604 <--
AU 9942321	A	19991220	AU 1999-42321	19990604 <--
EP 1082138	A1	20010314	EP 1999-926172	19990604 <--
EP 1082138	B1	20040825		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI

US 6207660	B1	20010327	US 1999-325890		19990604 <--
JP 2002516878	T	20020611	JP 2000-551806		19990604 <--
AT 274357	T	20040915	AT 1999-926172		19990604 <--
NO 2000006155	A	20010202	NO 2000-6155		20001204 <--
PRIORITY APPLN. INFO.:			US 1998-88214P	P	19980605 <--
			WO 1999-US12614	W	19990604 <--

OTHER SOURCE(S): MARPAT 132:29966
GI

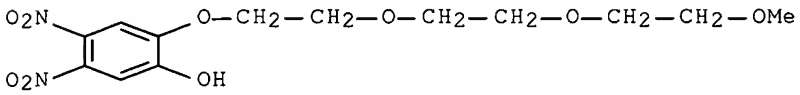
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Provided are texaphyrin-chemotherapeutic drug conjugates, optionally including a Pt(II) or Pt(IV) metal chelating site and/or complex, which are useful for treating atheroma, tumors and other neoplastic tissue, neovascular-related diseases, as well as other conditions that are typically responsive to chemotherapy, radiation sensitization, photodynamic therapy, and sonodynamic therapy. Preferred chemotherapeutic agents may be selected from a taxoid, a nucleotide, an antibiotic, or a platinum coordination complex, or more specifically, selected from bleomycin, doxorubicin, taxol, taxotere, etoposide, 4- hydroxycyclophosphamide, 5-fluorocil, cisplatin, or cisplatin analogs. The texaphyrin-chemotherapeutic agents are represented by formulas Iz+ or II (Z = 0-5, M = H, di- or trivalent metal cation, R1-R4 and R6-R9 = H, halo (but not iodo), OH, alkyl, alkenyl, aryl, catalytic group, chemotherapeutic agent, Pt chelating site, etc., R5 and R10-R12 = H, alkyl, alkenyl, aryl, halo (but not iodo), hydroxyalkyl, etc., with provisos concerning their steric size relative to other R groups) their pharmaceutical salts and formulations (1 example). Example conjugates show cytotoxic activity.

IT ***251908-16-4***
RL: RCT (Reactant); RACT (Reactant or reagent)
(for preparation of texaphyrin-chemotherapeutic drug conjugate)

RN 251908-16-4 HCAPLUS

CN Phenol, 2-[2-[2-(2-methoxyethoxy)ethoxy]ethoxy]-4,5-dinitro- (9CI) (CA INDEX NAME)



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L31 ANSWER 20 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER:	1999:779214 HCAPLUS Full-text
DOCUMENT NUMBER:	132:26815
TITLE:	Conjugates useful in the treatment of prostate cancer
INVENTOR(S):	Feng, Dong-Mei; Garsky, Victor M.; Jones, Raymond E.; Wai, Jenny M.
PATENT ASSIGNEE(S):	Merck and Co., Inc., USA
SOURCE:	U.S., 59 pp. CODEN: USXXAM
DOCUMENT TYPE:	***Patent***

LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

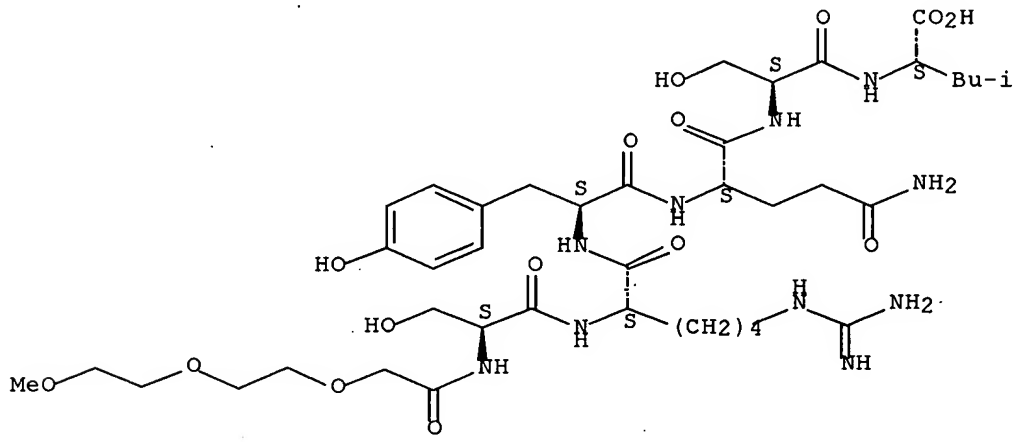
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5998362	A	19991207	US 1997-926412	19970909 <--
PRIORITY APPLN. INFO.:			US 1997-926412	19970909 <--

AB Chemical conjugates which comprise oligopeptides, having amino acid sequences that are selectively proteolytically cleaved by free prostate specific antigen (PSA), hydrophilic oligopeptide blocking groups and known cytotoxic agents are disclosed. Such conjugates are useful in the treatment of prostatic cancer and benign prostatic hypertrophy (BPH).

IT ***205186-52-3P 205186-62-5P***
RL: BAC (Biological activity or effector, except adverse); BPR (Biological process); BSU (Biological study, unclassified); PNU (Preparation, unclassified); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
(antitumor-peptide conjugates useful in the treatment of prostate cancer)

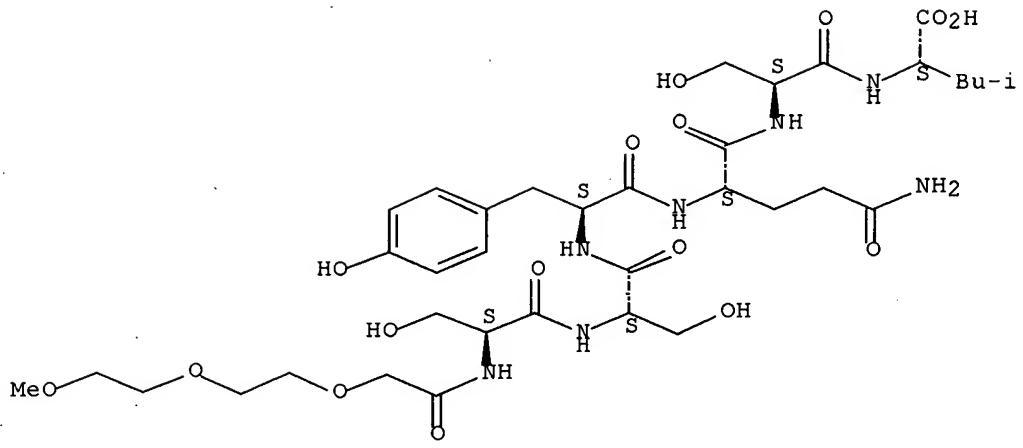
RN 205186-52-3 HCAPLUS
CN L-Leucine, N-[[2-(2-methoxyethoxy)ethoxy]acetyl]-L-seryl-N6-(aminoiminomethyl)-L-lysyl-L-tyrosyl-L-glutaminyl-L-seryl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 205186-62-5 HCAPLUS
CN L-Leucine, N-[[2-(2-methoxyethoxy)ethoxy]acetyl]-L-seryl-L-seryl-L-tyrosyl-L-glutaminyl-L-seryl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



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L31 ANSWER 21 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1999:672896 HCAPLUS Full-text
DOCUMENT NUMBER: 131:299854
TITLE: Copolymer libraries, their production and monomers therefor
INVENTOR(S): Kohn, Joachim B.; Brocchini, Stephen; James, Kenneth; Tangpasuthadol, Varawut
PATENT ASSIGNEE(S): Rutgers, the State University, USA
SOURCE: PCT Int. Appl., 69 pp.
CODEN: PIXXD2
DOCUMENT TYPE: ***Patent***
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9952962	A1	19991021	WO 1999-US8131	19990413 <--
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2328830	A1	19991021	CA 1999-2328830	19990413 <--
AU 9936420	A	19991101	AU 1999-36420	19990413 <--
AU 761458	B2	20030605		
EP 1073688	A1	20010207	EP 1999-918534	19990413 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002511508	T	20020416	JP 2000-543517	19990413 <--
US 2002151668	A1	20021017	US 1999-291426	19990413 <--
US 6319492	B2	20011120	US 2000-520665	20000307 <--
US 2001046505	A1	20011129		
AU 2003244591	A1	20031002	AU 2003-244591	20030905 <--
US 2004254334	A1	20041216	US 2004-889914	20040713 <--
US 2005123481	A1	20050609	US 2004-24355	20041228 <--

PRIORITY APPLN. INFO.: US 1998-81502P P 19980413 <--
US 1998-85571 A3 19980527 <--
US 1999-291426 A3 19990413 <--
WO 1999-US8131 W 19990413 <--
US 2002-288076 A1 20021105 <--

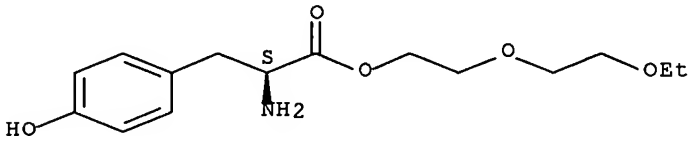
AB A multidimensional copolymer array of a plurality of copolymers, polymerized from at least two independently variable sets of monomers, is created. The homologous variations of the monomer series are selected to determine the effect of varying the structural features of the copolymer on at least one end-use property of the copolymer. Methods for determining the effects as a function of variation within the monomer series and identifying members having useful properties are also disclosed. In an example, a library of 112 polyesters is obtained from parallel syntheses involving 9 different dicarboxylic acids and 14 different amide linkage-containing bisphenols (produced by condensing L-tyrosine esters with 4-hydroxyphenylacetic or -propionic acid). The polyamide-polyesters show good biocompatibility and the synthesis method facilitates the selection of polymers for biomedical applications.

IT ***247077-81-2***, L-Tyrosine 2-(2-ethoxyethoxy)ethyl ester
RL: RCT (Reactant); RACT (Reactant or reagent)
(monomer starting material; production of biocompatible polyamide-polyester libraries)

RN 247077-81-2 HCAPLUS

CN L-Tyrosine, 2-(2-ethoxyethoxy)ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



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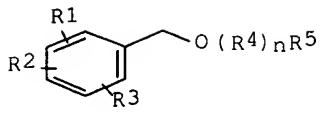
L31 ANSWER 22 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1999:481285 HCAPLUS Full-text
DOCUMENT NUMBER: 131:116068
TITLE: Preparation of substituted benzyl alcohols as skin treatment agents for external use
INVENTOR(S): Oba, Takeshi; Ono, Toshinari; Yamaguchi, Masakazu; Yamamuro, Akira; Fujikura, Yoshiaki
PATENT ASSIGNEE(S): Kao Corp., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DOCUMENT TYPE: ***Patent***
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11209319	A	19990803	JP 1998-14349	19980127 <--

PRIORITY APPLN. INFO.: JP 1998-14349 19980127 <--
OTHER SOURCE(S): MARPAT 131:116068
GI



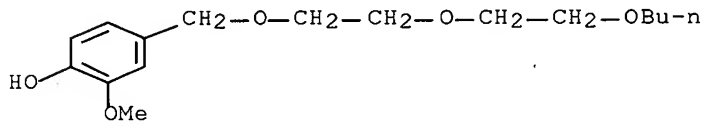
I

AB Title compds. I (R1-R3 = H, OH, C1-4 linear or branched alkoxy; two of R1-R3 may form α-methylenedioxy group; R1 = R2 = R3 ≠ H; R4 = CH2CH2O, CH2CHMeO, CHMeCH2O; n = 1-3; R5 = C1-6 linear or branched alkyl), which give a feeling of warmth and reduced stimulation, are prepared 2-Methoxyethyl alc. was etherified with vanillyl alc. at 70° for 2 h to give 7.3% 2-methoxyethyl vanillyl ether, which give feeling of warmth on the skin.

IT ***232946-17-7P***
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of substituted benzyl alcs. as skin treatment agents for external use)

RN 232946-17-7 HCAPLUS

CN Phenol, 4-[[2-(2-butoxyethoxy)ethoxy]methyl]-2-methoxy- (9CI) (CA INDEX NAME)



REData is temporarily unavailable.

L31 ANSWER 23 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1998:608590 HCAPLUS Full-text
DOCUMENT NUMBER: 129:217393
TITLE: p-Hydroxybenzoic esters and plasticizers, polyamide resin compositions, and molded objects therewith
INVENTOR(S): Fukuda, Hideo; Fujitani, Yoshifumi; Kohzu, Ryuichi
PATENT ASSIGNEE(S): New Japan Chemical Co., Ltd., Japan
SOURCE: PCT Int. Appl., 59 pp.
CODEN: PIXXD2
DOCUMENT TYPE: ***Patent***
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9838152	A1	19980903	WO 1998-JP814	19980227 <--
W: CA, CN, JP, KR, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2283109	A1	19980903	CA 1998-2283109	19980227 <--
EP 974575	A1	20000126	EP 1998-905687	19980227 <--

R: DE, ES, FR, GB, IT, SE

US 6348563	B1	20020219	US 1999-380278	19990827 <--
US 2002032303	A1	20020314		

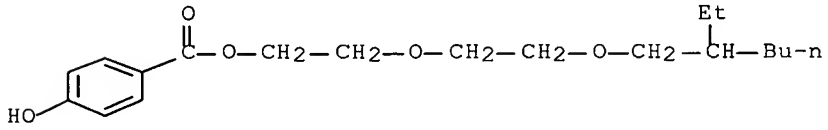
PRIORITY APPLN. INFO.: JP 1997-62243 A 19970228 <--
WO 1998-JP814 W 19980227 <--

OTHER SOURCE(S): MARPAT 129:217393

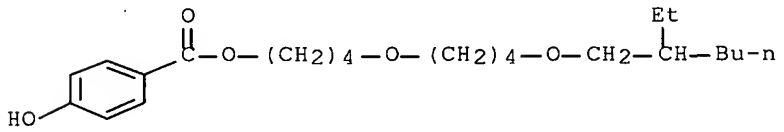
AB Title p-hydroxybenzoic esters have the general formula R1O(A1O)nCO-p-C4H6OH, wherein R1 = C6-10 linear or branched alkyl; A1 = C2-4 alkylene; and n = an integer of 1-8. The esters are useful as plasticizers for polyamide resins selected from nylon 11 and nylon 12. Polyamide resin compns. comprising any of the esters and at least one polyamide resin selected from nylon 11 and nylon 12 give molded products having excellent high-temperature volatilization resistance and low-temperature impact resistance. Thus, a sheet having good compatibility, mech. properties, low-temperature impact resistance, high-temperature volatilization resistance, and oil resistance was prepared from a composition comprising 100 parts Ube Nylon 3030B and 15 parts 2'-ethylhexyloxyethoxyethyl p-hydroxybenzoate.

IT ***212385-98-3P 212386-00-0P 212386-01-1P 212386-02-2P***
RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PREP (Preparation); USES (Uses)
(p-Hydroxybenzoic esters useful as plasticizers for polyamide resin compns.)

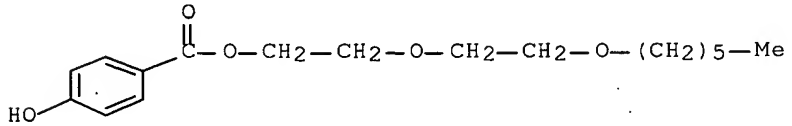
RN 212385-98-3 HCAPLUS
CN Benzoic acid, 4-hydroxy-, 2-[2-[(2-ethylhexyl)oxy]ethoxy]ethyl ester (9CI) (CA INDEX NAME)



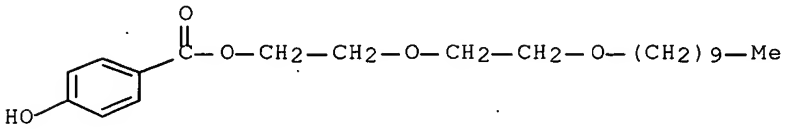
RN 212386-00-0 HCAPLUS
CN Benzoic acid, 4-hydroxy-, 4-[4-[(2-ethylhexyl)oxy]butoxy]butyl ester (9CI) (CA INDEX NAME)



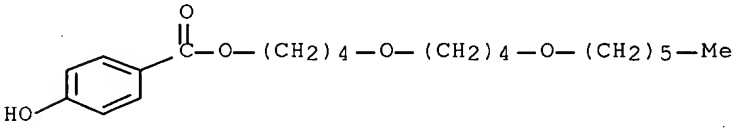
RN 212386-01-1 HCAPLUS
CN Benzoic acid, 4-hydroxy-, 2-[2-(hexyloxy)ethoxy]ethyl ester (9CI) (CA INDEX NAME)



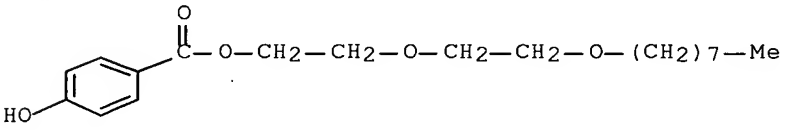
RN 212386-02-2 HCAPLUS
CN Benzoic acid, 4-hydroxy-, 2-[2-(decyloxy)ethoxy]ethyl ester (9CI) (CA INDEX NAME)



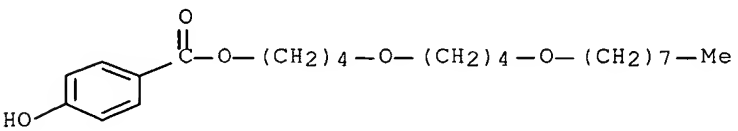
IT ***212386-03-3 212386-04-4 212386-05-5 212386-06-6 212395-24-9 212395-27-2 212395-30-7 212395-33-0***
RL: MOA (Modifier or additive use); USES (Uses)
(p-Hydroxybenzoic esters useful as plasticizers for polyamide resin compns.)
RN 212386-03-3 HCAPLUS
CN Benzoic acid, 4-hydroxy-, 4-[4-(hexyloxy)butoxy]butyl ester (9CI) (CA INDEX NAME)



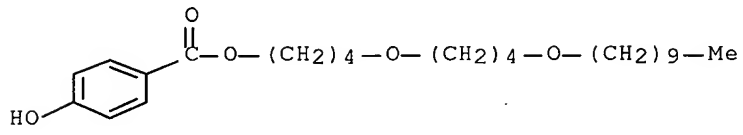
RN 212386-04-4 HCAPLUS
CN Benzoic acid, 4-hydroxy-, 2-[2-(octyloxy)ethoxy]ethyl ester (9CI) (CA INDEX NAME)



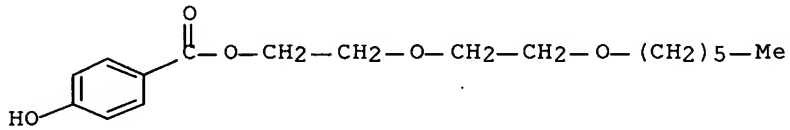
RN 212386-05-5 HCAPLUS
CN Benzoic acid, 4-hydroxy-, 4-[4-(octyloxy)butoxy]butyl ester (9CI) (CA INDEX NAME)



RN 212386-06-6 HCAPLUS
CN Benzoic acid, 4-hydroxy-, 4-[4-(decyloxy)butoxy]butyl ester (9CI) (CA INDEX NAME)

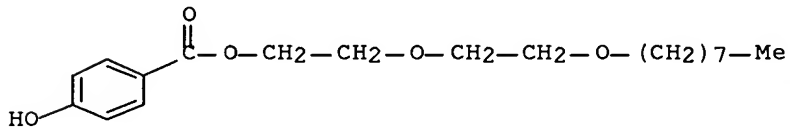


RN 212395-24-9 HCAPLUS
CN Benzoic acid, 4-hydroxy-, 2-[2-(hexyloxy)methylethoxy]methylethyl ester (9CI) (CA INDEX NAME)



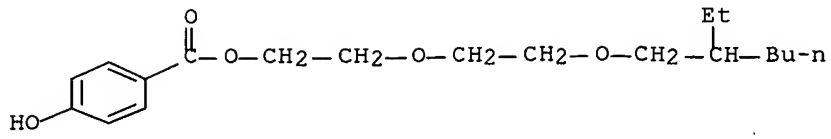
2 (D1_Me)

RN 212395-27-2 HCAPLUS
CN Benzoic acid, 4-hydroxy-, 2-[2-(octyloxy)methylethoxy]methylethyl ester (9CI) (CA INDEX NAME)



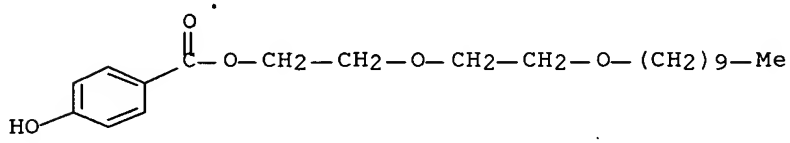
2 (D1_Me)

RN 212395-30-7 HCAPLUS
CN Benzoic acid, 4-hydroxy-, 2-[2-[(2-ethylhexyl)oxy]methylethoxy]methylethyl ester (9CI) (CA INDEX NAME)



2 (D1_Me)

RN 212395-33-0 HCAPLUS
CN Benzoic acid, 4-hydroxy-, 2-[2-(decyloxy)methylethoxy]methylethyl ester (9CI) (CA INDEX NAME)



2 (D1_Me)

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L31 ANSWER 24 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1998:180735 HCAPLUS Full-text
DOCUMENT NUMBER: 128:252982
TITLE: Oligopeptide-cytotoxic agent conjugates useful in the treatment of prostate cancer and benign prostatic hypertrophy
INVENTOR(S): Feng, Dong-Mei; Garsky, Victor M.; Jones, Raymond E.; Oliff, Allen I.; Wai, Jenny M.
PATENT ASSIGNEE(S): Merck & Co., Inc., USA; Feng, Dong-Mei; Garsky, Victor M.; Jones, Raymond E.; Oliff, Allen I.; Wai, Jenny M.
SOURCE: PCT Int. Appl., 138 pp.
CODEN: PIXXD2
DOCUMENT TYPE: ***Patent***
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9810651	A1	19980319	WO 1997-US16087	19970910 <--
W: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, HU, ID, IL, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TJ, TM, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2265476	A1	19980319	CA 1997-2265476	19970910 <--
AU 9744123	A	19980402	AU 1997-44123	19970910 <--
AU 715632	B2	20000203		

EP 926955	A1	19990707	EP 1997-942423		19970910 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI					
JP 2001501601	T	20010206	JP 1998-513857		19970910 <--
US 6391305	B1	20020521	US 1999-254892		19990628 <--
PRIORITY APPLN. INFO.:			US 1996-26015P	P	19960912 <--
			GB 1996-24170	A	19961119 <--
			WO 1997-US16087	W	19970910 <--

OTHER SOURCE(S): MARPAT 128:252982

AB Chemical conjugates are disclosed which comprise oligopeptides, having amino acid sequences that are selectively proteolytically cleaved by free prostate specific antigen (PSA), hydrophilic oligopeptide blocking groups, and known cytotoxic agents. Such conjugates are useful in the treatment of prostatic cancer and benign prostatic hypertrophy (BPH).

IT ***205186-52-3P 205186-62-5P***

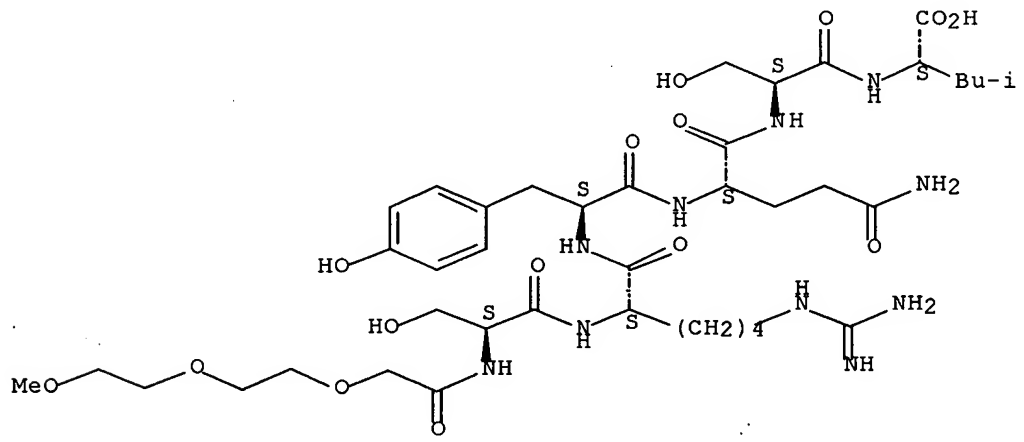
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(oligopeptide-cytotoxic agent conjugates for treatment of prostate cancer and benign prostatic hypertrophy)

RN 205186-52-3 HCAPLUS

CN L-Leucine, N-[[2-(2-methoxyethoxy)ethoxy]acetyl]-L-seryl-N6-(aminoiminomethyl)-L-lysyl-L-tyrosyl-L-glutaminyl-L-seryl- (9CI) (CA INDEX NAME)

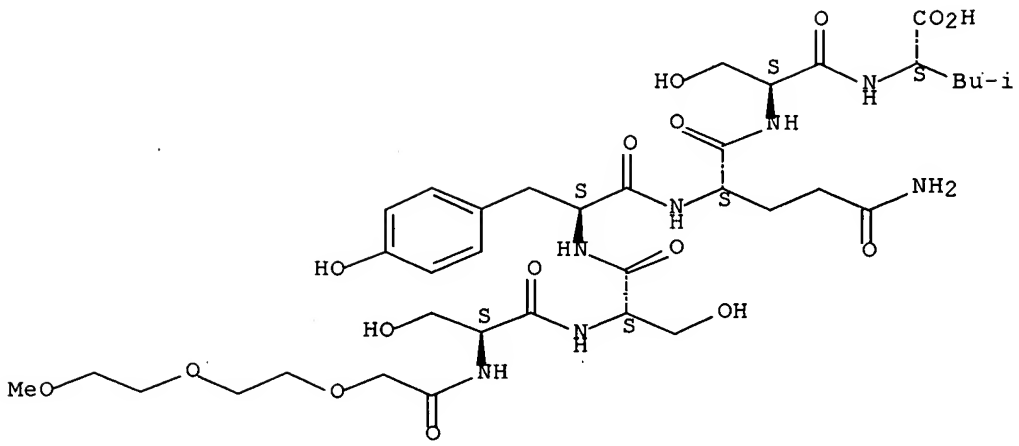
Absolute stereochemistry.



RN 205186-62-5 HCAPLUS

CN L-Leucine, N-[[2-(2-methoxyethoxy)ethoxy]acetyl]-L-seryl-L-seryl-L-tyrosyl-L-glutaminyl-L-seryl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



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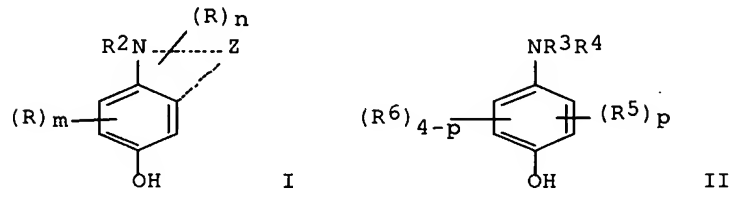
L31 ANSWER 25 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1997:745919 HCAPLUS Full-text
DOCUMENT NUMBER: 128:82078
TITLE: Silver halide photographic developing agents, developer solutions and development methods
INVENTOR(S): Morishima, Shinichi; Yamada, Kotaro; Fukui, Kota; Ezoe, Toshihide; Sakai, Minoru; Yamashita, Seiji
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 128 pp.
CODEN: JKXXAF
DOCUMENT TYPE: ***Patent***
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09297378	A	19971118	JP 1996-265097	19960917 <--
JP 3745046	B2	20060215		

PRIORITY APPLN. INFO.: JP 1996-70935 A 19960304 <--
OTHER SOURCE(S): MARPAT 128:82078
GI



I II

AB New p-aminophenol derivs. (I and II: R, R1, R6 = H, substituent; R2, R3 = H, alkyl, aryl, alkenyl, alkynyl, aralkyl, heterocyclyl; R4 = alkyl, aryl,

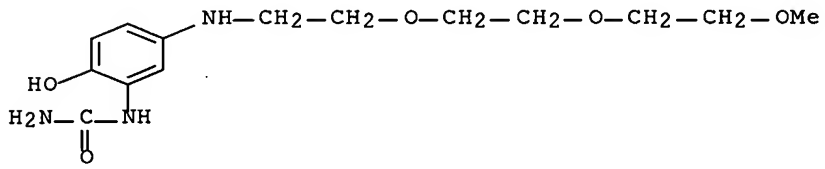
alkenyl, alkynyl, aralkyl, heterocyclyl; R5 = alkylthio, sulfonamido, sulfamoylamino, ureido, thioureido ; Z = atoms needed to complete a 5- or 6-membered ring; when Z forms a 6-membered ring, R = alkylthio, sulfonamido, sulfamoylamino, ureido, thioureido; m = 0-3; n = 0-4; p = 1-4) are prepared as halide photog. developing agents. Photog. developer solns. containing the new developing agents and development methods are also claimed. The developer is especially useful in rapid processing of high contrast negatives for medical uses and printing plate fabrication.

IT ***200485-24-1***

RL: TEM (Technical or engineered material use); USES (Uses)
(preparation as photog. developing agent for lith films)

RN 200485-24-1 HCAPLUS

CN Urea, [2-hydroxy-5-[[2-[2-(2-methoxyethoxy)ethoxy]ethyl]amino]phenyl]- (9CI) (CA INDEX NAME)



REData is temporarily unavailable.

L31 ANSWER 26 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1996:624828 HCAPLUS Full-text

DOCUMENT NUMBER: 125:249565

TITLE: Polyamide compositions with good cold, oil, and volatile loss resistance

INVENTOR(S): Fukuda, Hideo; Takatsu, Ryuichi

PATENT ASSIGNEE(S): Shin Nippon Rika Kk, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF

DOCUMENT TYPE: ***Patent***

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08199064	A	19960806	JP 1995-6997	19950120 <--

PRIORITY APPLN. INFO.: JP 1995-6997 19950120 <--

OTHER SOURCE(S): MARPAT 125:249565

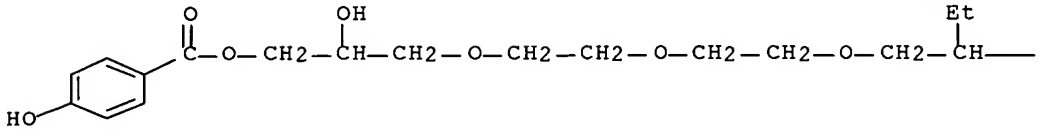
AB Title compns. contain adducts of glycidyl ethers and carboxylic acids R1O(AO)nCH2C(OH)HCH2O2CR2 [R1 = C4-22 alkyl, C8-22 alkenyl, (C1-9 alkyl-substituted) cyclohexyl; R2 = YC6H4X; A = C2-4 alkylene; n = 1-20; X = none, Me, (OH-substituted) C1-3 alkylene; Y = H, OH, C1-4 alkyl]. Thus, 100 parts Ube Nylon 3030B and 15 parts adduct of p-hydroxybenzoic acid and glycidyl ether of 1:2 adduct of 2-ethylhexyl alc. and ethylene oxide were mixed and pressed to give a test piece showing good cold, oil, and volatile resistance.

IT ***182186-60-3 182186-61-4***

RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)
(plasticizers; polyamide compns. containing glycidyl ether-carboxylic acid adduct plasticizers)

RN 182186-60-3 HCAPLUS
CN Benzoic acid, 4-hydroxy-, 3-[2-[2-[(2-ethylhexyl)oxy]ethoxy]ethoxy]-2-hydroxypropyl ester (9CI) (CA INDEX NAME)

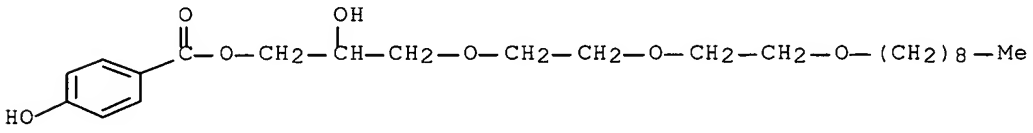
PAGE 1-A



PAGE 1-B

—Bu-n

RN 182186-61-4 HCAPLUS
CN Benzoic acid, 4-hydroxy-, 2-hydroxy-3-[2-[2-(nonyloxy)ethoxy]ethoxy]propyl ester (9CI) (CA INDEX NAME)



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L31 ANSWER 27 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1996:167576 HCAPLUS Full-text
DOCUMENT NUMBER: 124:232245
TITLE: preparation of pyranone compounds useful in treating retroviral infections
INVENTOR(S): Romines, Karen Rene; Bundy, Gordon L.; Schwartz, Theresa M.; Tommasi, Ruben A.; Strohbach, Joseph Walter; Turner, Steven Ronald; Thaisrivongs, Suvit; Aristoff, Paul Adrian; Johnson, Paul D.; et al.
PATENT ASSIGNEE(S): Upjohn Co., USA
SOURCE: PCT Int. Appl., 457 pp.
CODEN: PIXXD2
DOCUMENT TYPE: ***Patent***
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9530670	A2	19951116	WO 1995-US5219	19950504 <--
WO 9530670	A3	19960425		

W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI,

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            GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD,
            MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ,
            TM, TT
         RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT,
            LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE,
            SN, TD, TG
      IL 129871            A     20031123    IL 1995-129871          19950501 <--
      ZA 9503562           A     19961104    ZA 1995-3562            19950503 <--
      CA 2187523           A1    19951116    CA 1995-2187523         19950504 <--
      CA 2187523           C     20061121
      CA 2560489           A1    19951116    CA 1995-2560489         19950504 <--
      AU 9524626           A     19951129    AU 1995-24626           19950504 <--
      AU 701965            B2    19990211
      EP 758327            A1    19970219    EP 1995-918864          19950504 <--
      EP 758327            B1    20030409
          R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE
      CN 1150424           A     19970521    CN 1995-193553          19950504 <--
      BR 9507615           A     19970909    BR 1995-7615            19950504 <--
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      JP 3883206           B2    20070221
      HU 77601             A2    19980629    HU 1996-3074            19950504 <--
      RU 2139284           C1    19991010    RU 1996-123286          19950504 <--
      TW 504507            B     20021001    TW 1995-84104473        19950504 <--
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      PT 758327            T     20030829    PT 1995-918864          19950504 <--
      ES 2192201           T3    20031001    ES 1995-918864          19950504 <--
      CN 1539825           A     20041027    CN 2004-10034680        19950504 <--
      SK 284407            B6    20050304    SK 1996-1384            19950504 <--
      PL 190540            B1    20051230    PL 1995-317061          19950504 <--
      CN 1749252           A     20060322    CN 2005-10083328        19950504 <--
      CZ 296515            B6    20060412    CZ 1996-3172            19950504 <--
      IL 113567            A     20030529    IL 1996-113567          19960501 <--
      US 5852195           A     19981222    US 1996-809224          19961104 <--
      FI 9604441           A     19961105    FI 1996-4441            19961105 <--
      FI 117387            B1    20060929
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      NO 315799            B1    20031027
      US 6169181           B1    20010102    US 1998-188998          19981109 <--
      AU 9923686           A     19990603    AU 1999-23686           19990409 <--
      AU 718117            B2    20000406
PRIORITY APPLN. INFO.:                       US 1994-238817      A   19940506 <--
                                             US 1994-349361      A2  19941202 <--
                                             AU 1995-24626       A3  19950504 <--
                                             CA 1995-2187523     A3  19950504 <--
                                             CN 2004-10034680    A3  19950504 <--
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OTHER SOURCE(S):          MARPAT 124:232245
GI
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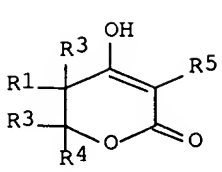

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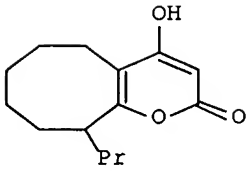

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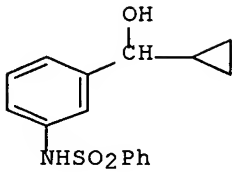

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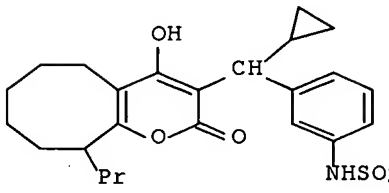


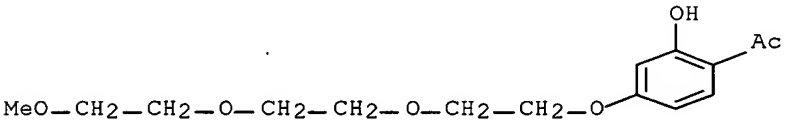
IV

AB Pyranone derivs. [I; R1-R4 = H, C3-5 alkyl, aralkyl, etc., R1R2 = bond, R3R4 = benzo, alkylene; R5 = H, organic radical], useful in inhibiting such retrovirus as HIV, are prepared A mixture of II and III was refluxed with p-MeC6H4SO3H in CH2Cl2 under N to give fused pyranone derivative IV, which showed 75.4% inhibition of HIV protease at 0.123 μM.

IT ***174485-20-2P 174485-21-3P***
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of pyranone compds. useful in treating retroviral infections)

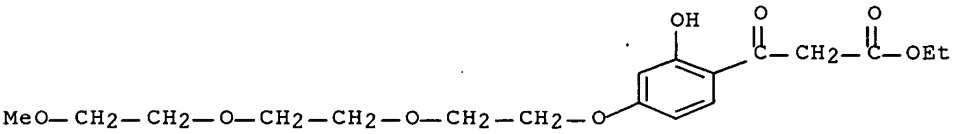
RN 174485-20-2 HCAPLUS

CN Ethanone, 1-[2-hydroxy-4-[2-[2-(2-methoxyethoxy)ethoxy]ethoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 174485-21-3 HCAPLUS

CN Benzenepropanoic acid, 2-hydroxy-4-[2-[2-(2-methoxyethoxy)ethoxy]ethoxy]-β-oxo-, ethyl ester (9CI) (CA INDEX NAME)



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L31 ANSWER 28 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1995:994322 HCAPLUS Full-text

DOCUMENT NUMBER: 124:55938
TITLE: Preparation of 1,2-dioxetanes as chemiluminescent reagents
INVENTOR(S): Matsumoto, Masakatsu
PATENT ASSIGNEE(S): Japan
SOURCE: Eur. Pat. Appl., 90 pp.
CODEN: EPXXDW
DOCUMENT TYPE: ***Patent***
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 671395	A1	19950913	EP 1995-400536	19950313 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
KR 148439	B1	19981102	KR 1995-5069	19950311 <--
JP 08165287	A	19960625	JP 1995-81687	19950313 <--
JP 3716449	B2	20051116		
JP 08169885	A	19960702	JP 1995-81686	19950313 <--
JP 3716448	B2	20051116		
US 5650525	A	19970722	US 1995-403212	19950313 <--
JP 08151342	A	19960611	JP 1995-134689	19950509 <--
JP 3723885	B2	20051207		
US 5698727	A	19971216	US 1995-469442	19950606 <--
US 5936132	A	19990810	US 1997-815484	19970311 <--
KR 176311	B1	19990515	KR 1998-6066	19980226 <--

PRIORITY APPLN. INFO.:

JP 1994-67801	A	19940311 <--
JP 1994-67802	A	19940311 <--
JP 1994-181926	A	19940712 <--
JP 1994-259066	A	19940929 <--
JP 1994-281511	A	19941021 <--
KR 1995-5069	A	19950311 <--
US 1995-403212	A1	19950313 <--

OTHER SOURCE(S): MARPAT 124:55938
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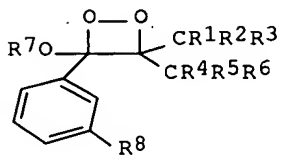

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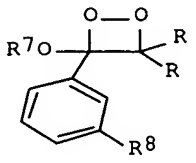
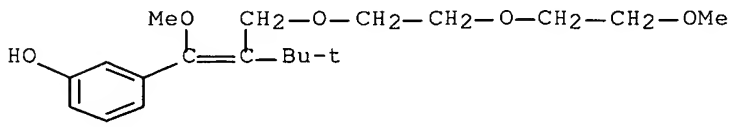


II

AB Title compds. [I; R1,R4 = H, alkyl, alkoxy, OH, tris(alkyl)silyloxy; R2,R3,R5,R6 = H, alkyl; R2R3,R5R6 = alkylene; R7 = alkyl; R8 = H, alkoxy, tris(alkyl)silyloxy, etc.] were prepared Thus, 3-(MeO)C6H4CHO was converted in 2 steps to 3-(MeO)C6H4CH(OMe)P(O)(OMe)2 which was condensed with dicyclopropyl ketone and the product irrad. in the presence of O and tetraphenylporphine to give title compound II (R = cyclopropyl, R7 = Me, R8 = OMe). Luminescence data for, e.g., II [R = R7 = CHMe2, R8 = OP(O)(ONa)2] in an enzyme assay were given.

IT ***172025-04-6P***
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of 1,2-dioxetanes as chemiluminescent reagents)

RN 172025-04-6 HCAPLUS
CN Phenol, 3-[1-methoxy-2-[[2-(2-methoxyethoxy)ethoxy]methyl]-3,3-dimethyl-1-butenyl]- (9CI) (CA INDEX NAME)



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L31 ANSWER 29 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1995:951861 HCAPLUS Full-text
DOCUMENT NUMBER: 124:59003
TITLE: Treatment of synthetic fibers for improved heat resistance
INVENTOR(S): Mori, Ken; Hokuto, Kenji; Tose, Yukinori
PATENT ASSIGNEE(S): Sanyo Chemical Ind Ltd, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: ***Patent***
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
JP 07238468	A	19950912	JP 1994-301546		19941109 <--
PRIORITY APPLN. INFO.:			JP 1994-301546	A	19941109 <--
			JP 1993-349856		19931229 <--

OTHER SOURCE(S): MARPAT 124:59003
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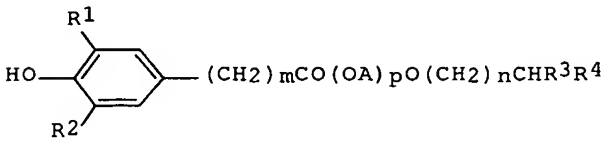


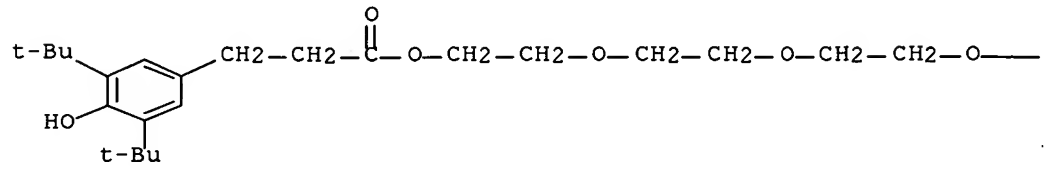
I

AB The heat resistance of synthetic fibers is improved by treatment with phenol derivs. I [R1, R2 = H, C1-5 alkyl; R3, R4 = H, C1-20 alkyl; (total C in R3 and R4) = 8-40; A = C2-4 alkylene; m = 0-4; n = 1-3; p = 0-30]. Thus, after addition of 10:50:25:15 mixture of I [R1, R2 = Me3CH; R3 = (CH2)8Me; R4 = (CH2)6Me; m = 2; n = 1; p = 0], dioleyl adipate, poly(oxyethylene) hardened castor oil ether, and ethylene oxide-propylene oxide copolymer octyl ether, a nylon filament was run at 240° for 4 h to show no tar on contacted metal part and few fumes.

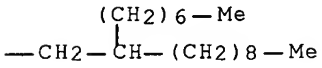
IT ***172212-25-8***
RL: MOA (Modifier or additive use); USES (Uses)
(phenolic additives for synthetic fibers for improvement of heat

resistance)
RN 172212-25-8 HCAPLUS
CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2-[2-[2-[(2-heptylundecyl)oxy]ethoxy]ethoxy]ethyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



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L31 ANSWER 30 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1995:468561 HCAPLUS Full-text
DOCUMENT NUMBER: 122:239444
TITLE: Preparation of orally well-absorbed ampicillin phenyl esters for fish
INVENTOR(S): Takahashi, Satoru; Yamamura, Atsushi; Hayashida, Hisashi; Takagi, Hirofumi; Kaneda, Shigeo
PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 14 pp.
CODEN: JKXXAF
DOCUMENT TYPE: ***Patent***
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06298769	A	19941025	JP 1993-110898	19930413 <--
PRIORITY APPLN. INFO.:			JP 1993-110898	19930413 <--

OTHER SOURCE(S): MARPAT 122:239444
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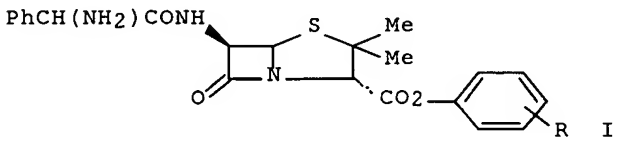


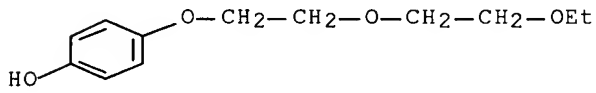
I

AB The title compds. I [R = H, alkyl, etc.] are prepared for fish. The oral absorption of ampicillin (3-acetoxymethyl)phenyl ester hydrochloride (preparation given) and of 17 other compds. of this invention in fish was studied.

IT ***54872-04-7P***
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of ampicillin Ph esters)

RN 54872-04-7 HCAPLUS

CN Phenol, 4-[2-(2-ethoxyethoxy)ethoxy]- (9CI) (CA INDEX NAME)



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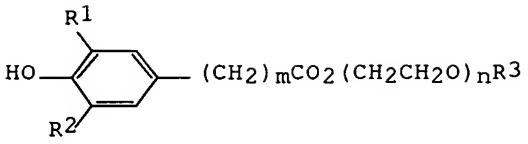
L31 ANSWER 31 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1994:557311 HCAPLUS Full-text
DOCUMENT NUMBER: 121:157311
TITLE: Preparation of liquid phenolic antioxidants.
INVENTOR(S): Evans, Samuel
PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.
SOURCE: PCT Int. Appl., 35 pp.
CODEN: PIXXD2
DOCUMENT TYPE: ***Patent***
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

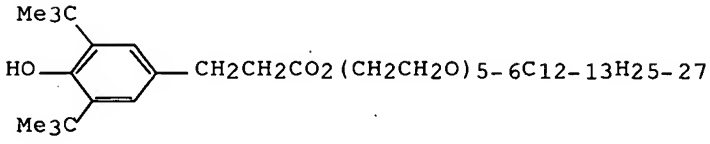
PATENT NO.	KIND	DATE	APPLICATION NO.		DATE	
WO 9414748	A1	19940707	WO 1993-EP3502		19931210	<--
W: AU, BB, BG, BR, BY, CA, CZ, FI, HU, JP, KP, KR, KZ, LK, LV, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SK, UA, US, UZ, VN						
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG						
TW 406127	B	20000921	TW 1993-82109786		19931120	<--
CA 2149148	A1	19940707	CA 1993-2149148		19931210	<--
CA 2149148	C	20040217				
AU 9456994	A	19940719	AU 1994-56994		19931210	<--
EP 674614	A1	19951004	EP 1994-902760		19931210	<--
EP 674614	B1	19980506				
R: AT, BE, DE, ES, FR, GB, IT, NL						
JP 08504780	T	19960521	JP 1993-514748		19931210	<--
AT 165809	T	19980515	AT 1994-902760		19931210	<--
ES 2117243	T3	19980801	ES 1994-902760		19931210	<--
BR 9307695	A	19990831	BR 1993-7695		19931210	<--
JP 3533498	B2	20040531	JP 1994-514748		19931210	<--
ZA 9309511	A	19940621	ZA 1993-9511		19931220	<--
US 5696281	A	19971209	US 1995-454362		19950620	<--
PRIORITY APPLN. INFO.:			CH 1992-3905	A	19921221	<--
			WO 1993-EP3502	W	19931210	<--

OTHER SOURCE(S): MARPAT 121:157311

GI



I



II

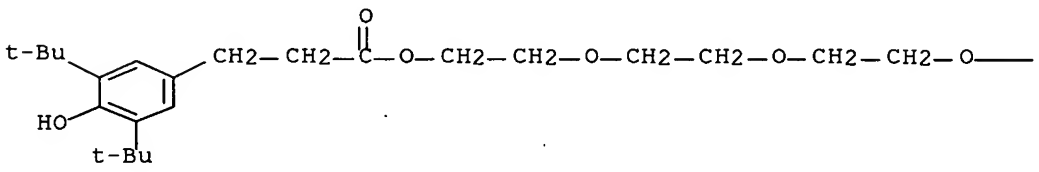
AB Title compds. (I; R1 = C1-C18 alkyl, C5-C12 cycloalkyl, Ph, PhCH2, α-methylbenzyl or α,α-dimethylbenzyl; R2 = H, R1; R3 = C4-C50 alkyl; m = 1, 2 or 3; n 1-15), were prepared for stabilizing organic material against thermal, oxidative and/or actinic degradation Thus, Me 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (Metilox) and Dobanol 23-6,5 at 80° were treated with LiNH2 and the mixture was gradually heated to 165° with distillation of MeOH to give 97.8% title product II. The latter at 0.2 parts in 100 parts polypropylene composition (Profax 650 I) delayed onset of decomposition at 135° to 82 days, from 2 days for unstabilized Profax 650 I.

IT ***157436-68-5P 157436-69-6P 157436-70-9P***
157436-71-0P 157436-72-1P 157436-73-2P
157436-74-3P 157436-75-4P 157436-76-5P
157436-77-6P 157436-78-7P 157436-79-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as stabilizer for organic materials)

RN 157436-68-5 HCAPLUS

CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 3,6,9,12,15-pentaoxaheptacos-1-yl ester (9CI) (CA INDEX NAME)

PAGE 1-A

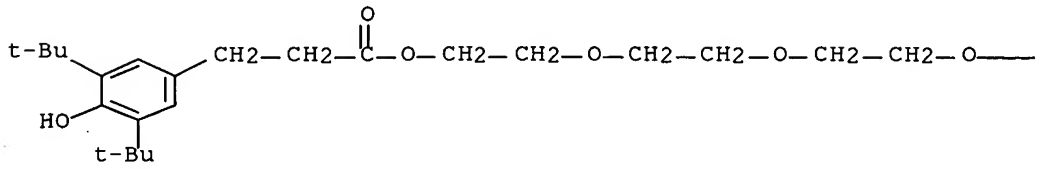


PAGE 1-B

—CH2—CH2—O—CH2—CH2—O—(CH2)11—Me

RN 157436-69-6 HCAPLUS
CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 3,6,9,12,15,18-hexaoxatriacont-1-yl ester (9CI) (CA INDEX NAME)

PAGE 1-A

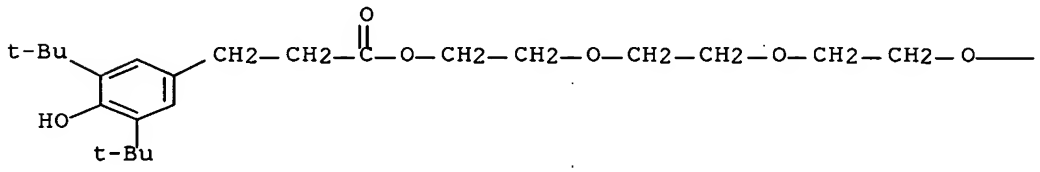


PAGE 1-B

—CH2—CH2—O—CH2—CH2—O—CH2—CH2—O—(CH2)11—Me

RN 157436-70-9 HCAPLUS
CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 3,6,9,12,15-pentaoxaoctacos-1-yl ester (9CI) (CA INDEX NAME)

PAGE 1-A

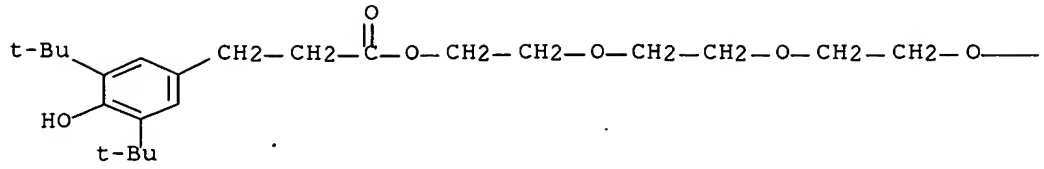


PAGE 1-B

—CH2—CH2—O—CH2—CH2—O—(CH2)12—Me

RN 157436-71-0 HCAPLUS
CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 3,6,9,12,15,18-hexaoxahentriacont-1-yl ester (9CI) (CA INDEX NAME)

PAGE 1-A

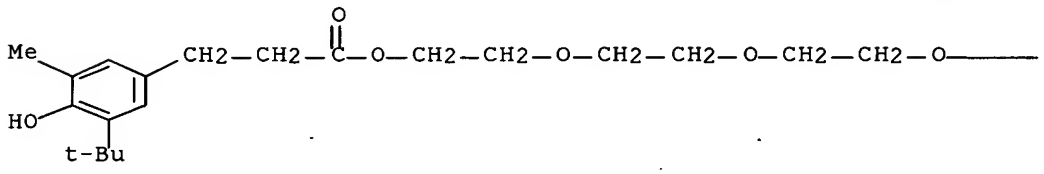


PAGE 1-B

—CH2—CH2—O—CH2—CH2—O—CH2—CH2—O—(CH2)12—Me

RN 157436-72-1 HCAPLUS
CN Benzenepropanoic acid, 3-(1,1-dimethylethyl)-4-hydroxy-5-methyl-, 3,6,9,12,15-pentaoxaheptacos-1-yl ester (9CI) (CA INDEX NAME)

PAGE 1-A

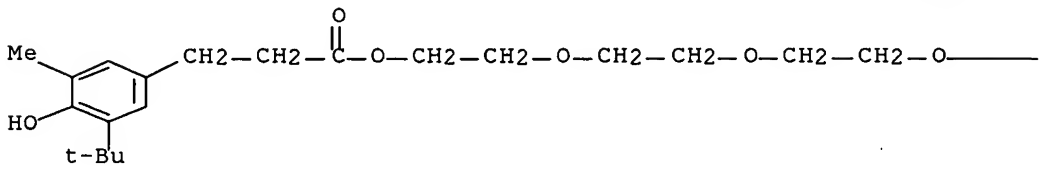


PAGE 1-B

—CH2—CH2—O—CH2—CH2—O—(CH2)11—Me

RN 157436-73-2 HCAPLUS
CN Benzenepropanoic acid, 3-(1,1-dimethylethyl)-4-hydroxy-5-methyl-, 3,6,9,12,15,18-hexaoxatriacont-1-yl ester (9CI) (CA INDEX NAME)

PAGE 1-A

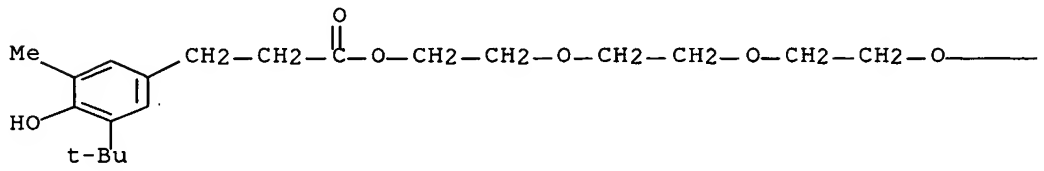


PAGE 1-B

—CH2—CH2—O—CH2—CH2—O—CH2—CH2—O—(CH2)11—Me

RN 157436-74-3 HCAPLUS
CN Benzenepropanoic acid, 3-(1,1-dimethylethyl)-4-hydroxy-5-methyl-, 3,6,9,12,15-pentaoxaoctacos-1-yl ester (9CI) (CA INDEX NAME)

PAGE 1-A

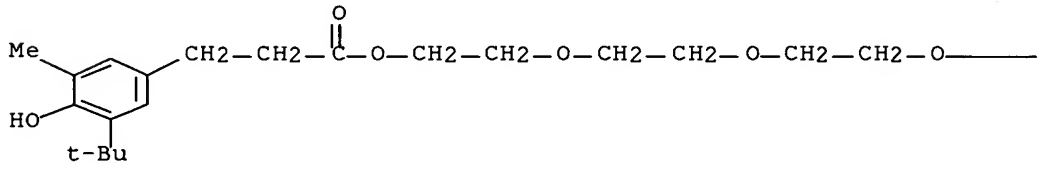


PAGE 1-B

—CH2—CH2—O—CH2—CH2—O—(CH2)12—Me

RN 157436-75-4 HCAPLUS
CN Benzenepropanoic acid, 3-(1,1-dimethylethyl)-4-hydroxy-5-methyl-, 3,6,9,12,15,18-hexaoxahentriacont-1-yl ester (9CI) (CA INDEX NAME)

PAGE 1-A



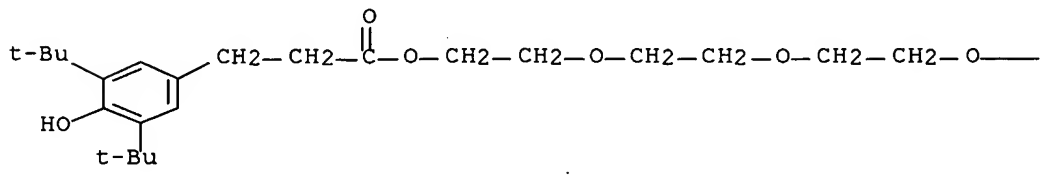
PAGE 1-B

—CH2—CH2—O—CH2—CH2—O—CH2—CH2—O—(CH2)12—Me

RN 157436-76-5 HCAPLUS

CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2-[2-[2-(dodecyloxy)ethoxy]ethoxy]ethyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



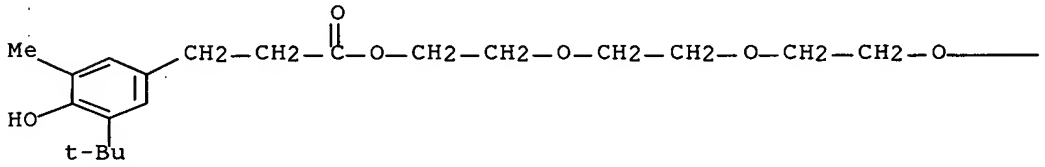
PAGE 1-B

—(CH2)11—Me

RN 157436-77-6 HCAPLUS

CN Benzenepropanoic acid, 3-(1,1-dimethylethyl)-4-hydroxy-5-methyl-, 2-[2-[2-(dodecyloxy)ethoxy]ethoxy]ethyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



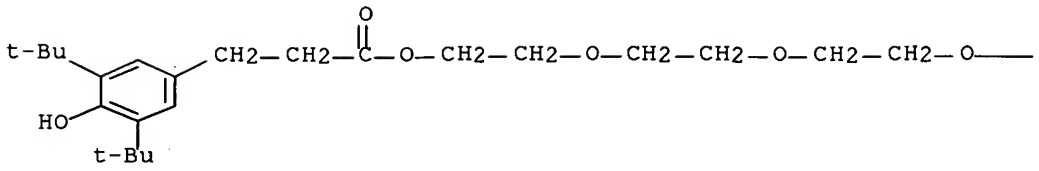
PAGE 1-B

—(CH2)11—Me

RN 157436-78-7 HCAPLUS

CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 3,6,9,12,15,18,21,24-octaoxahexatriacont-1-yl ester (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

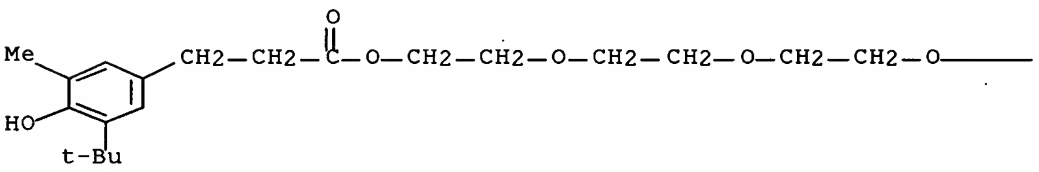
—CH2—CH2—O—CH2—CH2—O—CH2—CH2—O—CH2—CH2—O—CH2—CH2—O———

PAGE 1-C

—(CH2)11—Me

RN 157436-79-8 HCAPLUS
CN Benzenepropanoic acid, 3-(1,1-dimethylethyl)-4-hydroxy-5-methyl-, 3,6,9,12,15,18,21,24-octaoxahexatriacont-1-yl ester (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

—CH2—CH2—O—CH2—CH2—O—CH2—CH2—O—CH2—CH2—O—CH2—CH2—O———

PAGE 1-C

—(CH2)11—Me

REData is temporarily unavailable.

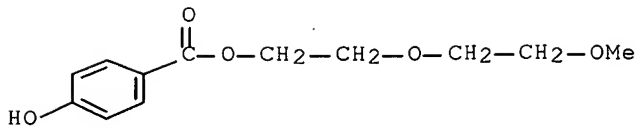
L31 ANSWER 32 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1994:323870 HCAPLUS Full-text
DOCUMENT NUMBER: 120:323870
TITLE: Preparation of titanocene analogs as anti-tumor drugs
INVENTOR(S): Keinan, Ehud
PATENT ASSIGNEE(S): USA
SOURCE: PCT Int. Appl., 19 pp.
CODEN: PIXXD2
DOCUMENT TYPE: ***Patent***
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 9404142	A1	19940303	WO 1993-US7875		19930819 <--
W: AT, AU, BB, BG, BR, CA, CH, CZ, DE, DK, ES, FI, GB, HU, JP, KP, KR, LK, LU, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SK, UA, US					
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG					
IL 102866	A	19980816	IL 1992-102866		19920819 <--
AU 9350854	A	19940315	AU 1993-50854		19930819 <--
EP 655913	A1	19950607	EP 1994-908077		19930819 <--
R: CH, DE, FR, GB, IT, LI					
JP 08501289	T	19960213	JP 1994-506565		19930819 <--
US 5496854	A	19960305	US 1995-387785		19950217 <--
PRIORITY APPLN. INFO.:			IL 1992-102866	A	19920819 <--
			WO 1993-US7875	W	19930819 <--

AB The invention relates to novel titanocene derivs. possessing chemotherapeutic activity and method for their preparation These compds. possess two cyclopentadiene rings linked to titanium as a central atom and bound covalently to two phenoxy groups which possess a substituent R selected from the group consisting of: CO2Me, CO2Et, H, CO2CH2CH2OCH2CH2OMe and are free from amino groups, nitro, chloride and fluoride. Thus, metalation of 4-cyanophenol with NaH in C6H6 followed by reaction with titanocene dichloride 70% bis(4-cyanophenolato)bis(η5- cyclopentadienyl)titanium(IV). The novel compds. represent a compromise between the main properties for an antitumor agent, i.e. electrophilicity and stability, being water soluble Cytotoxicity measurements of these compds. showed significant growth inhibition properties., expressed in terms of IC50[M] values.

IT ***55468-87-6P***
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction of, in preparation of titanocene analog anti-tumor drug)

RN 55468-87-6 HCAPLUS
CN Benzoic acid, 4-hydroxy-, 2-(2-methoxyethoxy)ethyl ester (9CI) (CA INDEX NAME)



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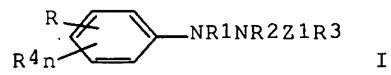
L31 ANSWER 33 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1994:120609 HCAPLUS Full-text
DOCUMENT NUMBER: 120:120609
TITLE: Silver halide photographic material containing hydrazine derivative to provide high-contrast images using stable developer
INVENTOR(S): Onodera, Akira; Usagawa, Yasushi
PATENT ASSIGNEE(S): Konishiroku Photo Ind, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 35 pp.
CODEN: JKXXAF
DOCUMENT TYPE: ***Patent***
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05173281	A	19930713	JP 1991-345207	19911226 <--
JP 3084459	B2	20000904		
PRIORITY APPLN. INFO.:			JP 1991-345207	19911226 <--

GI



I

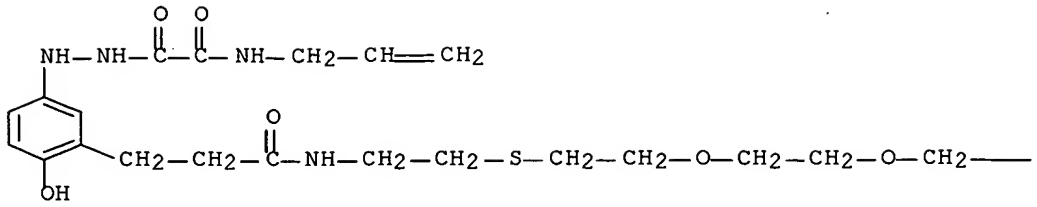
AB The photog. material has ≥1 component layer which contains a compound I (R = group containing thioether group and (OZ)m; Z = alkenylene, arylene; m = ≥2; R1, R2 = H, acyl, sulfonyl, oxalyl; R1 = R2 ≠H; Z1 = carbonyl, sulfonyl, sulfoxy, phosphonyl, iminomethylene; R3 = H, blocking group; n = 1- 4; R4 = substituent). The photog. material provides an image with high contrast by using a developer of low pH and with good stability.

IT ***152640-72-7***
RL: TEM (Technical or engineered material use); USES (Uses)
(photog. material containing, for high-contrast image production)

RN 152640-72-7 HCAPLUS

CN Acetic acid, oxo(2-propenylamino)-, 2-[4-hydroxy-3-(C,C,C-trimethyl-3-oxo-10,13,16-trioxa-7-thia-4-azaheptadec-1-yl)phenyl]hydrazide (9CI) (CA INDEX NAME)

PAGE 1-A



3 (D1_Me)

PAGE 1-B

—CH2—OMe

REData is temporarily unavailable.

L31 ANSWER 34 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1993:670907 HCAPLUS Full-text
DOCUMENT NUMBER: 119:270907
TITLE: Penicillin G esters
INVENTOR(S): Takahashi, Satoru; Yamamura, Atsushi; Hayashida, Hisashi; Takagi, Hirofumi; Kaneda, Shigeo
PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co., Ltd., Japan
SOURCE: PCT Int. Appl., 86 pp.
CODEN: PIXXD2
DOCUMENT TYPE: ***Patent***
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9308196	A1	19930429	WO 1992-JP1327	19921012 <--
W: CA, JP, KR, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, SE				

PRIORITY APPLN. INFO.:
JP 1991-332994 A 19911015 <--
JP 1992-119989 A 19920413 <--
JP 1992-119990 A 19920413 <--
JP 1992-154401 A 19920520 <--

OTHER SOURCE(S): MARPAT 119:270907
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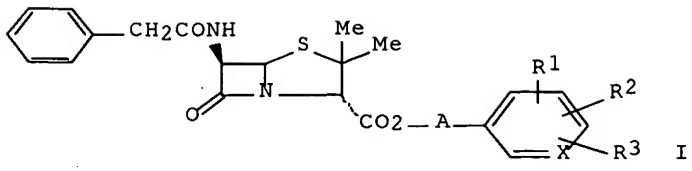
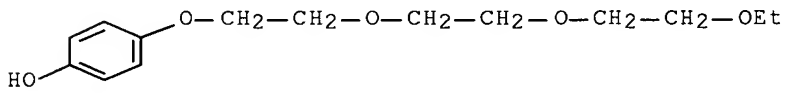


I

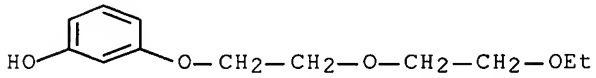
AB Title compds. I (A = single bond, CH2CO, CH2O, CH2S; X = N, CH; R1 = alkanoyloxy, alkanoyloxyalkyl, benzoyloxy, benzoyloxyalkyl, cyclopropylcarbonyloxyalkyl, cyclohexylcarbonyloxyalkyl, alkoxyalkoxy, alkoxyalkoxyalkoxy, cyanoalkanoyloxyalkyl, chloroalkanoyloxyalkyl, aminomethyl, morpholinylmethyl, piperidylmethyl, hydroxymethyl, morpholinyl, etc.; R2 = H, alkoxy, alkanoyloxy; R3 = H, alkyl), useful as preventive or curative agents for fish diseases, were prepared Treatment of penicillin G 3-(hydroxymethyl)phenyl ester with AcCl and Et3N in CH2Cl2 gave penicillin G 3-(acetoxymethyl)phenyl ester (II). II should bactericidal activity in fish superior to that of penicillin G potassium salt.

IT ***151288-05-0P 151288-06-1P 151288-10-7P 151288-12-9P 151288-14-1P***
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction of)

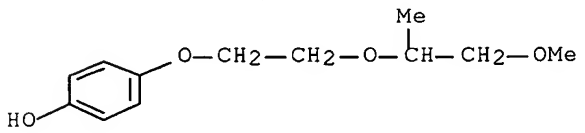
RN 151288-05-0 HCAPLUS
CN Phenol, 4-[2-[2-(2-ethoxyethoxy)ethoxy]ethoxy]- (9CI) (CA INDEX NAME)



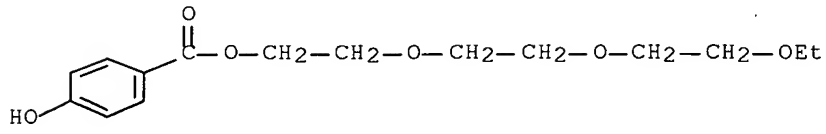
RN 151288-06-1 HCAPLUS
CN Phenol, 3-[2-(2-ethoxyethoxy)ethoxy]- (9CI) (CA INDEX NAME)



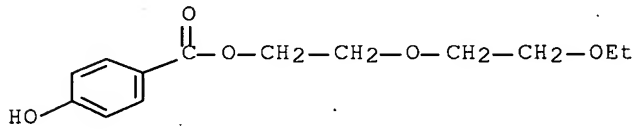
RN 151288-10-7 HCAPLUS
CN Phenol, 4-[2-(2-methoxy-1-methylethoxy)ethoxy]- (9CI) (CA INDEX NAME)



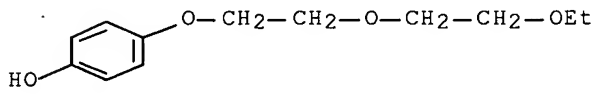
RN 151288-12-9 HCAPLUS
CN Benzoic acid, 4-hydroxy-, 2-[2-(2-ethoxyethoxy)ethoxy]ethyl ester (9CI) (CA INDEX NAME)



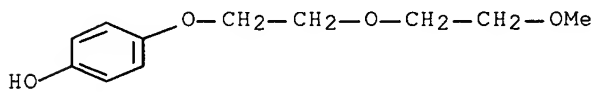
RN 151288-14-1 HCAPLUS
CN Benzoic acid, 4-hydroxy-, 2-(2-ethoxyethoxy)ethyl ester (9CI) (CA INDEX NAME)



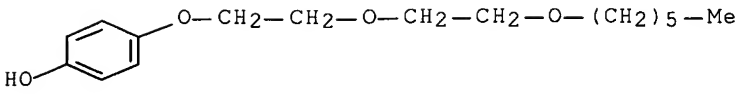
IT ***54872-04-7P***
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction of, with penicillin G potassium salt)
RN 54872-04-7 HCAPLUS
CN Phenol, 4-[2-(2-ethoxyethoxy)ethoxy]- (9CI) (CA INDEX NAME)



IT ***30311-35-4P 151288-01-6P***
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 30311-35-4 HCAPLUS
CN Phenol, 4-[2-(2-methoxyethoxy)ethoxy]- (9CI) (CA INDEX NAME)



RN 151288-01-6 HCAPLUS
CN Phenol, 4-[2-[2-(hexyloxy)ethoxy]ethoxy]- (9CI) (CA INDEX NAME)



REData is temporarily unavailable.

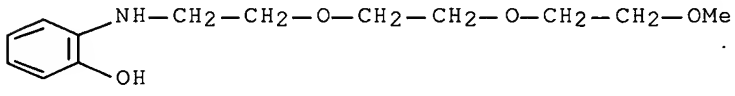
L31 ANSWER 35 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1993:542995 HCAPLUS Full-text
DOCUMENT NUMBER: 119:142995
TITLE: Reversible electrodes for batteries and electric devices
INVENTOR(S): Uemachi, Yasushi; Sato, Yoshiko; Tonomura, Tadashi; Takeyama, Kenichi
PATENT ASSIGNEE(S): Matsushita Electric Ind Co Ltd, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DOCUMENT TYPE: ***Patent***
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05135769	A	19930601	JP 1991-296821	19911113 <--
PRIORITY APPLN. INFO.:			JP 1991-296821	19911113 <--

AB The electrodes are composed of ion and electron mixed conductivity conducting polymers having units containing S-S bonds, which can be reversibly electroreduced into S-metal ion (including H+) bonds. Preferably, the electrodes contain a polymer of an organic S compound which forms XSRS(SRS)nSRSX1 in electrooxidized form (n = 0 or an integer; X, X1 = metal M, H, or organic terminal groups; R = cyclic organic group containing C atoms bonded to ≥1 S atom in the dithio groups; and the C atoms form short chains terminated at both ends by SRSM groups when the S-S bond is broken, bonded to ≥1 N atom to form a SC:N ↔ S:CN resonance structure in its electro-reduced form, with the S atom capable of reversibly reduced electrochem.). The R group may be uracil, thiadiazole, or triazine.

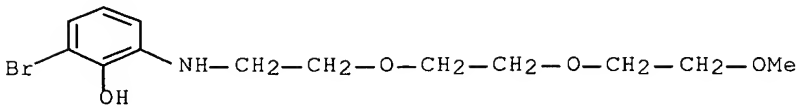
IT ***149918-54-7P 149918-55-8P 149918-56-9P***
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction of, in disulfide polymer manufacture for electrodes)

RN 149918-54-7 HCAPLUS
CN Phenol, 2-[[2-[2-(2-methoxyethoxy)ethoxy]ethyl]amino]- (9CI) (CA INDEX NAME)

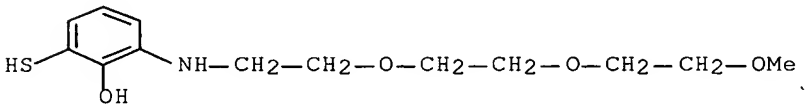


RN 149918-55-8 HCAPLUS
CN Phenol, 2-bromo-6-[[2-[2-(2-methoxyethoxy)ethoxy]ethyl]amino]- (9CI) (CA

INDEX NAME)



RN 149918-56-9 HCAPLUS
CN Phenol, 2-mercapto-6-[[2-[2-(2-methoxyethoxy)ethoxy]ethyl]amino]- (9CI) (CA INDEX NAME)



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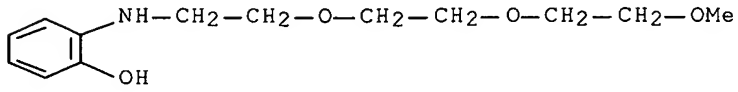
L31 ANSWER 36 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1993:542988 HCAPLUS Full-text
DOCUMENT NUMBER: 119:142988
TITLE: Secondary lithium batteries with conducting polymer cathodes
INVENTOR(S): Uemachi, Yasushi; Sato, Yoshiko; Tonomura, Tadashi; Takeyama, Kenichi
PATENT ASSIGNEE(S): Matsushita Electric Ind Co Ltd, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: ***Patent***
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

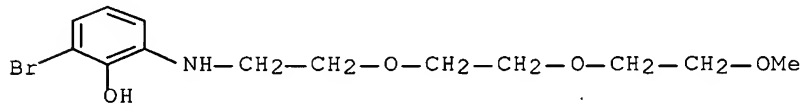
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05135798	A	19930601	JP 1991-295481	19911112 <--
PRIORITY APPLN. INFO.:			JP 1991-295481	19911112 <--

AB The batteries use Al (alloy) or C anodes, Li+-conductive solid electrolytes, and ion and electron mixed conductivity polymer cathodes; where the polymer contains S-S bonding formed by electrolytic oxidation and Li thioate groups. Preferably, the electrolyte contains ethylene oxide- and/or propylene oxide-adducts of polyamines, an ion exchanging laminar compound, and a Li salt; and the cathode contains ≥1 organic S compound, which, in its electrolytically oxidized form, has a XSRS(SRS)nSRSX1 structure (n = 0 or an integer; X, X1 = Li, H, or organic terminal groups; R = cyclic organic groups containing C atoms bonded to ≥1 S atom in the dithio groups; and the C atoms form short chains terminated by SRSM groups at both ends when the S-S bond is broken, bond to ≥1 N atom to form a SC:N ↔ S:CN resonance structure in reduced form, with the S atom capable of reversibly reduced electrochem.).
IT ***149918-54-7P 149918-55-8P 149918-56-9P***
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT

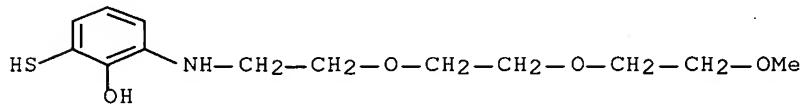
(Reactant or reagent)
(preparation and reaction of, in disulfide polymer manufacture for cathodes in
secondary lithium batteries)
RN 149918-54-7 HCAPLUS
CN Phenol, 2-[[2-[2-(2-methoxyethoxy)ethoxy]ethyl]amino]- (9CI) (CA INDEX NAME)



RN 149918-55-8 HCAPLUS
CN Phenol, 2-bromo-6-[[2-[2-(2-methoxyethoxy)ethoxy]ethyl]amino]- (9CI) (CA INDEX NAME)



RN 149918-56-9 HCAPLUS
CN Phenol, 2-mercapto-6-[[2-[2-(2-methoxyethoxy)ethoxy]ethyl]amino]- (9CI) (CA INDEX NAME)



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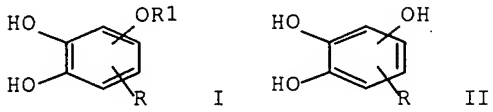
L31 ANSWER 37 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1992:550688 HCAPLUS Full-text
DOCUMENT NUMBER: 117:150688
TITLE: Process for the regiospecific monofunctionalization of a phenolic hydroxy group of a polyphenol
INVENTOR(S): Brayer, Jean Louis; Calvo, Daniel; Ottello, Francois
PATENT ASSIGNEE(S): Roussel-UCLAF, Fr.
SOURCE: Eur. Pat. Appl., 10 pp.
CODEN: EPXXDW
DOCUMENT TYPE: ***Patent***
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

EP 491600	A1	19920624	EP 1991-403363	19911212 <--
R: BE, CH, DE, FR, GB, IT, LI, LU, NL				
FR 2670484	A1	19920619	FR 1990-15810	19901218 <--
FR 2670484	B1	19930312		
US 5198571	A	19930330	US 1991-807982	19911216 <--
JP 04295444	A	19921020	JP 1991-353069	19911218 <--
JP 3051538	B2	20000612		

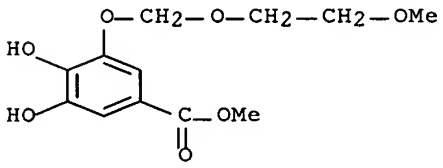
PRIORITY APPLN. INFO.: FR 1990-15810 A 19901218 <--
OTHER SOURCE(S): CASREACT 117:150688; MARPAT 117:150688
GI



AB Monofunctionalized polyphenols I [R = H, alkyl, alkenyl, alkynyl, CN, CHO, carboxy, alkoxycarbonyl, [(arylalkyl)oxy]carbonyl, halo; R1 = protecting group] were prepared by treating polyphenols II with a base, followed by trialkyl borate (C1-C6 alkyl), a protecting group, then aqueous HCl. E.g., 1 g Me gallate in DMF was treated with 0.492 g NaH with stirring at ambient temperature for 1 h, followed by 9.953 cm3 (EtO)3B. A solution of 1.036 g tosyl chloride was added over 2 h, the solution stirred 2 h at ambient temperature, the solution kept at ambient temperature 15 h, then hydrolyzed with aqueous 1 N HCl to give 90.4% Me 3-[(4-methylphenyl)sulfonyloxy]-4,5-dihydroxybenzoate.

IT ***143259-88-5P***
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 143259-88-5 HCAPLUS
CN Benzoic acid, 3,4-dihydroxy-5-[(2-methoxyethoxy)methoxy]-, methyl ester (9CI) (CA INDEX NAME)



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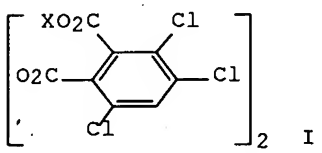
L31 ANSWER 38 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1991:679603 HCAPLUS Full-text
DOCUMENT NUMBER: 115:279603
TITLE: Preparation of bis(6-alkoxyalkoxycarbonyl-2,4,5-trichlorophenyl)oxalate as chemiluminescent reagent for chemical lighting
INVENTOR(S): Fujita, Masahiko; Nakayama, Hiroaki; Nakano, Yumiko;

Kozono, Masako
PATENT ASSIGNEE(S): Nippon Kagaku Hakko K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: ***Patent***
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03197443	A	19910828	JP 1989-343765	19891226 <--
JP 05065501	B	19930917		
PRIORITY APPLN. INFO.:			JP 1989-343765	19891226 <--

OTHER SOURCE(S): MARPAT 115:279603
GI

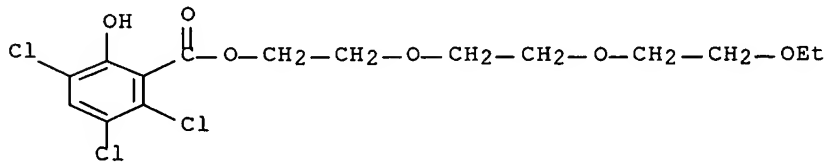


I

AB The title compds. [I; X = CnH2n+1(OCH2CH2)m; n = 1-12; m = 1-5], which show improved solubility and luminescence intensity and are useful as fluorescent agents for chemical lighting and liquid chromatog., are prepared Thus, a mixture of 2,4,5-trichlorosalicylic acid 0.07, HOCH2CH2OEt 1.4, and p-MeC6H4SO3H 0.014 mol was refluxed at 135° with removal of H2O using a Dean-Stark trap for 10 h to give 83.3% 6-(2-ethoxyethoxycarbonyl)- 2,4,5-trichlorophenol (II) as a solid. To a solution of 0.02 mol II and 0.02 mol Et3N in PhMe was added dropwise 0.024 mol (ClCO)2 at 5-10° and the mixture was stirred at room temperature for 3 h to give 89% I (X = EtOCH2CH2) (III). When a solution of 1 mg bis(phenylethynyl)anthracene in 100 mL Me2CO, 0.01 mol H2O2 in aqueous Me2CO, and a buffer (pH 4) were mixed together and thereto III was added, green light was emitted in the dark.

IT ***137740-34-2P***
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and esterification of, with oxalyl chloride)

RN 137740-34-2 HCAPLUS
CN Benzoic acid, 2,3,5-trichloro-6-hydroxy-, 2-[2-(2-ethoxyethoxy)ethoxy]ethyl ester (9CI) (CA INDEX NAME)



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L31 ANSWER 39 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1991:607659 HCAPLUS Full-text
DOCUMENT NUMBER: 115:207659
TITLE: Preparation of 2-(acylethenyl)-1,4-quinone derivs. for the treatment of hepatic disease
INVENTOR(S): Abe, Shinya; Okamoto, Yasushi; Tagami, Katsuya; Hibi, Shigeki; Nagakawa, Junichi; Hirota, Kazuo; Hishinuma, Icharu; Miyamoto, Kaname; Yamanaka, Takashi
PATENT ASSIGNEE(S): Japan
SOURCE: Can. Pat. Appl., 130 pp.
CODEN: CPXXEB
DOCUMENT TYPE: ***Patent***
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
CA 2024479	A1	19910312	CA 1990-2024479	19900831	<--
CA 2024479	C	19971230			
FI 102273	B	19981113	FI 1990-4206	19900824	<--
FI 102273	B1	19981113			
US 5210239	A	19930511	US 1990-576054	19900831	<--
EP 419905	A2	19910403	EP 1990-117119	19900905	<--
EP 419905	A3	19920624			
EP 419905	B1	19960117			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE					
AT 133156	T	19960215	AT 1990-117119	19900905	<--
ES 2082811	T3	19960401	ES 1990-117119	19900905	<--
AU 9062258	A	19910314	AU 1990-62258	19900906	<--
AU 637138	B2	19930520			
NO 9003909	A	19910312	NO 1990-3909	19900907	<--
NO 174292	B	19940103			
NO 174292	C	19940413			
HU 54612	A2	19910328	HU 1990-5847	19900910	<--
HU 208105	B	19930830			
JP 03188042	A	19910816	JP 1990-237051	19900910	<--
JP 2919030	B2	19990712			
ZA 9007179	A	19910828	ZA 1990-7179	19900910	<--
DD 299637	A5	19920430	DD 1990-343921	19900910	<--
RU 2001904	C1	19931030	RU 1990-4831237	19900910	<--
CN 1050182	A	19910327	CN 1990-107622	19900911	<--
CN 1031992	B	19960612			
RU 2049771	C1	19951210	RU 1992-5052502	19920820	<--
US 5385942	A	19950131	US 1993-22688	19930301	<--
PRIORITY APPLN. INFO.:			JP 1989-232761 A	19890911	<--
			US 1990-576054 A3	19900831	<--

OTHER SOURCE(S): MARPAT 115:207659

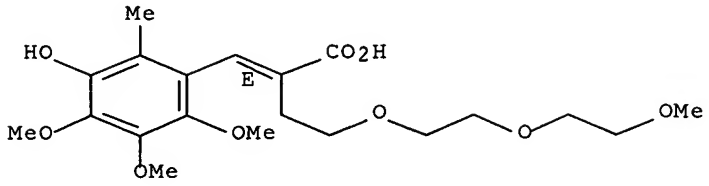
AB A series of 2-(acylethenyl)-1,4-quinones are claimed; the compds. were prepared and tested for their activity against hepatitis and fulminant hepatitis in animal models.

IT ***136164-18-6P***
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and oxidation of)

RN 136164-18-6 HCAPLUS

CN Butanoic acid, 2-[(3-hydroxy-4,5,6-trimethoxy-2-methylphenyl)methylene]-4-[2-(2-methoxyethoxy)ethoxy]-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



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L31 ANSWER 40 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1990:552140 HCAPLUS Full-text
DOCUMENT NUMBER: 113:152140
TITLE: 3-Aryloxymethylcephalosporin derivatives as antibiotics and their preparation
INVENTOR(S): Kojima, Koichi; Koyama, Kazuo; Amemiya, Shigeo; Iwata, Masayuki
PATENT ASSIGNEE(S): Sankyo Co., Ltd., Japan
SOURCE: Eur. Pat. Appl., 104 pp.
CODEN: EPXXDW
DOCUMENT TYPE: ***Patent***
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

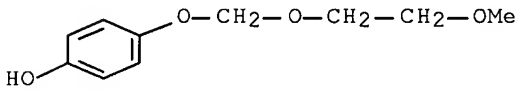
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 363223	A2	19900411	EP 1989-310278	19891006 <--
EP 363223	A3	19911113		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
DK 8904922	A	19900408	DK 1989-4922	19891005 <--
NO 8903963	A	19900409	NO 1989-3963	19891005 <--
NO 175152	B	19940530		
NO 175152	C	19940907		
CA 2000272	A1	19900407	CA 1989-2000272	19891006 <--
FI 8904758	A	19900408	FI 1989-4758	19891006 <--
AU 8942660	A	19900412	AU 1989-42660	19891006 <--
AU 623689	B2	19920521		
JP 02209878	A	19900821	JP 1989-262766	19891006 <--
JP 2839914	B2	19981224		
CN 1042153	A	19900516	CN 1989-108589	19891007 <--
US 5389626	A	19950214	US 1992-880295	19920505 <--
PRIORITY APPLN. INFO.:			JP 1988-253253 A	19881007 <--
			US 1989-416923 B1	19891004 <--
			US 1991-742091 B1	19910802 <--

OTHER SOURCE(S): MARPAT 113:152140
GI For diagram(s), see printed CA Issue.
AB The title compds. I [R1 = H, acyl e.g., (substituted) C1-10 alkanoyl, C3-10 alkenoyl, etc.; R2 = H, C1-4 alkoxy; Ar = Ph with optional substituents such as C1-6 alkoxy, alkylthio, alkoxy, etc.; n = 0 or 1] were prepared Diethylaniline, 2-(syn-trityloxyimino)-2-(2- tritylaminothiazol-4-yl)acetic acid, and POCl3 were added to diphenylmethyl 7-amino-3-phenoxymethyl-3-cephem-4-carboxylate hydrochloride in CH2Cl2. The reaction mixture was stirred for 30 min to give a product, which was treated with HCO2H/MeOH and then

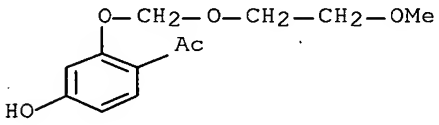
deprotected in CF3CO2H/anisole to give title compound syn-II.CF3CO2H. Compound 7-[2-(2-aminothiazol-4-yl)-2-(syn-hydroxyimino)acetamido]-3-(4-carboxyphenoxy)methyl-3-cephem-4-carboxylic trifluoroacetate in vitro exhibited an MIC of 0.8 μg/mL against Escherichia coli NIHJ(S).

IT ***129543-57-3 129543-58-4***
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, in preparation of cephalosporin antibiotic)

RN 129543-57-3 HCAPLUS
CN Phenol, 4-[(2-methoxyethoxy)methoxy]- (9CI) (CA INDEX NAME)



RN 129543-58-4 HCAPLUS
CN Ethanone, 1-[4-hydroxy-2-[(2-methoxyethoxy)methoxy]phenyl]- (9CI) (CA INDEX NAME)



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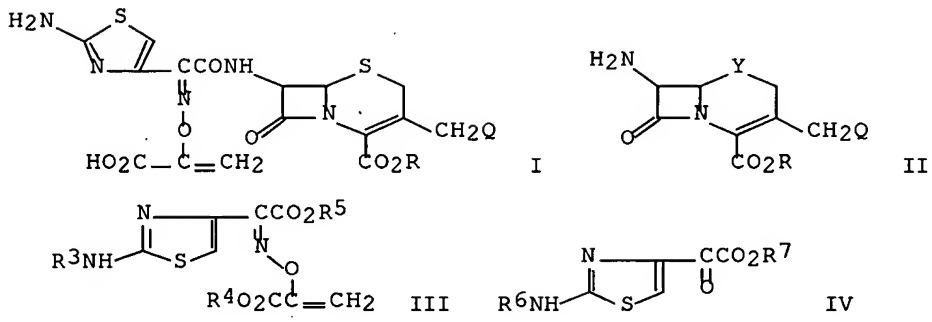
L31 ANSWER 41 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1989:75154 HCAPLUS Full-text
DOCUMENT NUMBER: 110:75154
TITLE: Preparation of (vinyloxyimino)acetamidocephemcarboxylic acid derivatives as antibiotics
INVENTOR(S): Nakagawa, Susumu; Mitomo, Ryuji; Yamada, Koji; Otake, Norikazu; Nakano, Fumio; Asai, Akira; Kuroyanagi, Satoru; Tanaka, Yoshiharu; Ishikawa, Moriaki; Ushijima, Ryosuke
PATENT ASSIGNEE(S): Banyu Pharmaceutical Co., Ltd., Japan
SOURCE: PCT Int. Appl., 108 pp.
CODEN: PIXXD2
DOCUMENT TYPE: ***Patent***
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 8706232	A1	19871022	WO 1987-JP236	19870414 <--
W: JP, US				
RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				
EP 346465	A1	19891220	EP 1987-902727	19870414 <--
EP 346465	B1	19930811		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
AT 92927	T	19930815	AT 1987-902727	19870414 <--

JP 07064852	B	19950712	JP 1987-502318		19870414 <--
US 5084453	A	19920128	US 1988-265458		19881013 <--
US 5061794	A	19911029	US 1989-377086		19890710 <--
US 5225406	A	19930706	US 1991-753943		19910903 <--
JP 07165740	A	19950627	JP 1994-297861		19941107 <--
PRIORITY APPLN. INFO.:			JP 1986-84079	A	19860414 <--
			JP 1986-99440	A	19860501 <--
			JP 1986-182809	A	19860805 <--
			JP 1986-309178	A	19861227 <--
			EP 1987-902727	A	19870414 <--
			JP 1987-502318		19870414 <--
			US 1987-38208	B1	19870414 <--
			WO 1987-JP236	A	19870414 <--
			US 1988-265458	A3	19881013 <--

GI



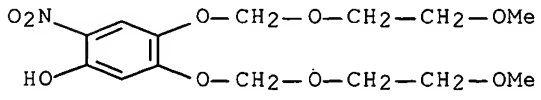
AB The title compds. I [R = H, carboxy-protecting group, anion; Q = H, halo, OH, acetoxy, carbamoyloxy, azido, (substituted) quaternary ammonio, heterocyclylthio], useful as antibiotics, were prepared via: (a) acylation of II (Y = S, SO; R, Q = as given above) with III (R3 = H, amino-protecting group; R4, R5 = H, carboxy-protecting group); and (b) condensation of IV (R6 = H, amino-protecting group; R7 = H, carboxy-protecting group) with H2C:C(ONH2)CO2R8 (R8 = H, carboxy-protecting group). Condensation of 2-(1-tert-butoxycarbonyl-1- vinyloxyimino)-2-(2-tritylaminothiazol-4-yl)acetic acid (syn isomer) and benzhydryl 7β-amino-3-chloromethyl-3-cephem-4-carboxylate gave the corresponding acetamidocephem derivative, which was successively treated with NaI and pyridine, deprotected in PhOMe/CF3CO2H, and worked up to give (Z)-7β-[2-(2-aminothiazol-4-yl)-2-(1-carboxy-1- vinyloxyimino)acetamido]-3-(1-pyridinio)methyl-3-cephem-4-carboxylate (V). V in vitro exhibited a MIC of 3.12 μg/mL against S. aureus NIHJ-JC1.

IT ***114272-20-7P***

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as intermediate in preparation of antibiotic)

RN 114272-20-7 HCAPLUS

CN Phenol, 4,5-bis[(2-methoxyethoxy)methoxy]-2-nitro- (9CI) (CA INDEX NAME)



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L31 ANSWER 42 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1989:75153 HCAPLUS Full-text
DOCUMENT NUMBER: 110:75153
TITLE: Cephalosporin derivatives, processes for their preparation, and antibacterial agents containing them.
INVENTOR(S): Nakagawa, Susumu; Yamada, Koji; Nakano, Fumio; Otake, Norikazu; Asai, Akira; Kuroyanagi, Satoru; Tanaka, Yoshiharu; Ishikawa, Moriaki; Ushijima, Ryosuke; Mitomo, Ryuji
PATENT ASSIGNEE(S): Banyu Pharmaceutical Co., Ltd., Japan
SOURCE: Eur. Pat. Appl., 81 pp.
CODEN: EPXXDW
DOCUMENT TYPE: ***Patent***
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

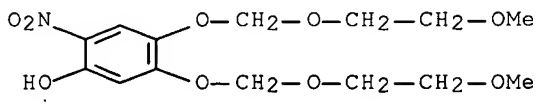
PATENT NO.	KIND	DATE	APPLICATION NO.		DATE	
EP 241901	A2	19871021	EP 1987-105483		19870413	<--
EP 241901	A3	19890614				
EP 241901	B1	19940824				
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE						
JP 02256683	A	19901017	JP 1987-91292		19870414	<--
JP 2503500	B2	19960605				
US 5061794	A	19911029	US 1989-377086		19890710	<--
US 5225406	A	19930706	US 1991-753943		19910903	<--
PRIORITY APPLN. INFO.:			JP 1986-84079	A	19860414	<--
			JP 1986-99440	A	19860501	<--
			JP 1986-309178	A	19861227	<--
			US 1987-38208	B1	19870414	<--
			US 1988-265458	A3	19881013	<--

OTHER SOURCE(S): MARPAT 110:75153
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The title compds. I [R = (cyclic) lower alkyl, alkenyl (except for 1-carboxy-1-vinyl), alkynyl, aralkyl, Ph, etc.; Q = Q1 - Q3 wherein R1 = H, acetyl; R2 = H, CO2H, carboxymethyl; Y = S, O; Z = S, O, imino group which may be substituted by a lower alkyl group], useful as antibiotics, were prepared from II (R3 = H, protecting group; R4 = R; X = leaving group; R5 = H, protecting group) or III. Reaction of benzhydryl 7β-[2-(1-benzhydryloxycarbonyl-1-methylethoxyimino)-2-(2- tritylaminothiazol-4-yl)acetamido]-3-iodomethyl-3-cephem-4-carboxylate (syn isomer) and 2-mercapto-5-[3,4-bis(2-methoxyethoxymethoxy)phenyl]- 1,3,4-oxadiazole, followed by deprotection and workup, gave disodium 7β-[2-(2-aminothiazol-4-yl)-2-(1-carboxylate-1-methylethoxyimino)acetamido]-3-[5-(3,4-dihydroxyphenyl)-1,3,4-oxadiazol-2-yl]thiomethyl-3-cephem-4-carboxylate (syn isomer) (IV). IV in vitro exhibited a MIC of 0.1 μg/mL against Escherichia coli NIHJ JC2.
IT ***114272-20-7P***

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as intermediate in preparation of cephalosporin antibiotics)
RN 114272-20-7 HCAPLUS
CN Phenol, 4,5-bis[(2-methoxyethoxy)methoxy]-2-nitro- (9CI) (CA INDEX NAME)



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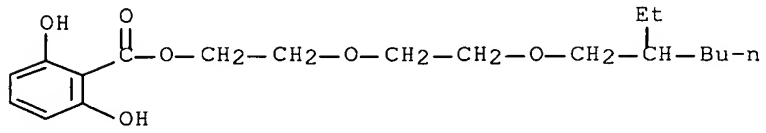
L31 ANSWER 43 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1987:205234 HCAPLUS Full-text
DOCUMENT NUMBER: 106:205234
TITLE: Photopolymerizable recording materials with decreased cold flow
INVENTOR(S): Hilger, Manfred
PATENT ASSIGNEE(S): Hoechst A.-G., Fed. Rep. Ger.
SOURCE: Ger. Offen., 13 pp.
CODEN: GWXXBX
DOCUMENT TYPE: ***Patent***
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3510219	A1	19860925	DE 1985-3510219	19850321 <--
EP 195322	A2	19860924	EP 1986-102976	19860306 <--
EP 195322	A3	19870527		
EP 195322	B1	19911030		
R: DE, FR, GB				
JP 61219952	A	19860930	JP 1986-61022	19860320 <--
US 4950580	A	19900821	US 1987-89034	19870824 <--
PRIORITY APPLN. INFO.:			DE 1985-3510219 A	19850321 <--
			US 1986-840051 B1	19860317 <--

OTHER SOURCE(S): CASREACT 106:205234
AB The cold flow of photopolymerizable recording materials composed of a support and a solid, dry photopolymerizable layer composed of a polymer binder that is soluble in aqueous alkaline solution, a radical-polymerizable acrylic acid or methacrylic acid ester of a polyhydric alc., and an initiator for the photoinitiated radical polymerization is decreased by treatment of the photopolymerizable layer with NH3 or an oxidizing agent. A PET film support was coated with a solution containing hexyl methacrylate-methacrylic acid-styrene copolymer, a polymerizable oligourethane from 2,2,4-trimethylhexamethylene diisocyanate, triethylene glycol, and hydroxyethyl methacrylate, diethylene glycol mono-2-ethylhexyl ether 2,6-dihydroxybenzoate, water, butanone, 16% aqueous NH3, 9-phenylacridine, and a blue azo dye to give a dry-film photoresist which showed practically no deformation upon loading with a 1000 g weight for 16 h.
IT ***73639-18-6***
RL: USES (Uses)
(photoresists containing, dry-film, aqueous ammonia treatment of, for decreased
cold flow)

RN 73639-18-6 HCAPLUS
CN Benzoic acid, 2,6-dihydroxy-, 2-[2-[(2-ethylhexyl)oxy]ethoxy]ethyl ester (9CI) (CA INDEX NAME)



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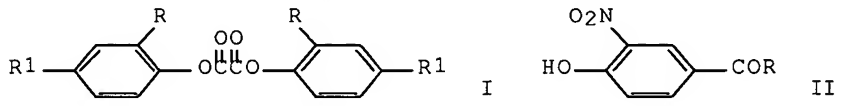
L31 ANSWER 44 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1986:442496 HCAPLUS Full-text
DOCUMENT NUMBER: 105:42496
TITLE: Diaryl oxalates
INVENTOR(S): Imai, Kazuhiro; Ogata, Hiroshi; Tanaka, Mikiaki; Nawa, Hiromi; Ishihara, Masami
PATENT ASSIGNEE(S): Wako Pure Chemical Industries, Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.
CODEN: JKXXAF
DOCUMENT TYPE: ***Patent***
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
JP 61015864	A	19860123	JP 1984-136060		19840630 <--
JP 04066227	B	19921022			
US 4578499	A	19860325	US 1985-749428		19850627 <--
PRIORITY APPLN. INFO.:			JP 1984-136060	A	19840630 <--

OTHER SOURCE(S): CASREACT 105:42496
GI

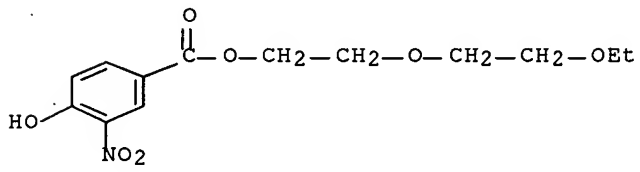


AB Diaryl oxalates [I; one of R and R1 = NO2, the other = R(OCH2CH2)nO2C where R = alkyl, n = 1-50] were prepared I were useful as fluorescent indicators. Thus, 0.078 mol SOCl2 was added to a mixture of 0.060 mol II (R = OH) and 5 drops of pyridine in C6H6 at 50-60° to give 99.2% acid chloride (II; R = Cl), which (0.0124 mol) was heated with EtO(CH2CH2O)2H at 70-80° to give 94.3% II [R = O(CH2CH2O)2Et] (III). Addition of 0.0037 mol oxalyl chloride to a solution of 0.0067 mol III and 0.0067 mol Et3N in C6H6 at 5-6° and then room temperature gave 91.5% I [R = NO2, R1 = Et(OCH2CH2O)2O2C], which in a 1 μM dansylglycine solution in 0.05 M phthalic acid buffer (pH = 4.0) and 0.1 M H2O2 solution in Me2CO showed a fluorescence intensity change from 80 to 65 in 8 s, vs. 135 to 9 with a reference compound
IT ***102989-90-2P***

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and esterification of, with oxalyl chloride)

RN 102989-90-2 HCAPLUS

CN Benzoic acid, 4-hydroxy-3-nitro-, 2-(2-ethoxyethoxy)ethyl ester (9CI) (CA INDEX NAME)



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L31 ANSWER 45 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1986:187018 HCAPLUS Full-text
DOCUMENT NUMBER: 104:187018
TITLE: Monomeric aromatic hydroxyurethanes
INVENTOR(S): Stammann, Guenter; Grolig, Johann; Waldmann, Helmut
PATENT ASSIGNEE(S): Bayer A.-G. , Fed. Rep. Ger.
SOURCE: Ger. Offen., 40 pp.
CODEN: GWXXBX
DOCUMENT TYPE: ***Patent***
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3406230	A1	19850829	DE 1984-3406230	19840221 <--
EP 153642	A2	19850904	EP 1985-101413	19850211 <--
EP 153642	A3	19860521		
R: AT, BE, CH, DE, FR, GB, IT, LI, NL				
JP 60188360	A	19850925	JP 1985-28497	19850218 <--
PRIORITY APPLN. INFO.:			DE 1984-3406230 A	19840221 <--

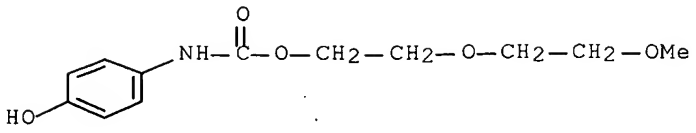
OTHER SOURCE(S): CASREACT 104:187018; MARPAT 104:187018

AB The preparation of monomeric aromatic hydroxyurethanes (latent monomers) consists of reacting an aromatic compound (≥1 phenolic OH, ≥1 nitro, nitroso, azo, or azoxy group) with an organic OH compound and CO in the presence of a catalyst containing S and/or Se or a Group VIII metal and a complex ligand containing N and/or P. For example, EtOH 85.4, 4-O2NC6H4OH 12, pyridine 1.3, and active charcoal 1.3% were mixed with 1% (of charcoal weight) Pd. The conversion of nitrophenol was 10%, and the yield of Et (4-hydroxyphenyl)carbamate was 21%.

IT ***102053-99-6P***
RL: IMF (Industrial manufacture); PREP (Preparation)
(manufacture of, as latent monomer)

RN 102053-99-6 HCAPLUS

CN Carbamic acid, (4-hydroxyphenyl)-, 2-(2-methoxyethoxy)ethyl ester (9CI) (CA INDEX NAME)



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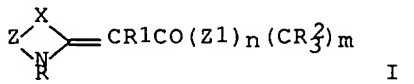
L31 ANSWER 46 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1985:569903 HCAPLUS Full-text
DOCUMENT NUMBER: 103:169903
TITLE: Trihalomethyl group-containing carbonylmethyl heterocycles and photosensitive mixtures containing them
INVENTOR(S): Doenges, Reinhard; Ruckert, Hans; Geissler, Ulrich; Steppan, Hartmut
PATENT ASSIGNEE(S): Hoechst A.-G. , Fed. Rep. Ger.
SOURCE: Ger. Offen., 46 pp.
CODEN: GWXXBX
DOCUMENT TYPE: ***Patent***
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3333450	A1	19850411	DE 1983-3333450	19830916 <--
EP 135863	A2	19850403	EP 1984-110533	19840905 <--
EP 135863	A3	19850515		
R: AT, BE, CH, DE, FR, GB, IT, LI, NL, SE				
ZA 8407165	A	19850424	ZA 1984-7165	19840912 <--
FI 8403594	A	19850317	FI 1984-3594	19840913 <--
FI 81786	B	19900831		
FI 81786	C	19901210		
US 4966828	A	19901030	US 1984-651116	19840913 <--
AU 8433067	A	19850321	AU 1984-33067	19840914 <--
HU 37134	A2	19851128	HU 1984-3474	19840914 <--
HU 193590	B	19871028		
ES 535956	A1	19851201	ES 1984-535956	19840914 <--
CS 253715	B2	19871217	CS 1984-6926	19840914 <--
IL 72945	A	19890515	IL 1984-72945	19840914 <--
JP 60089473	A	19850520	JP 1984-192770	19840917 <--

PRIORITY APPLN. INFO.: DE 1983-3333450 A 19830916 <--
OTHER SOURCE(S): MARPAT 103:169903
GI



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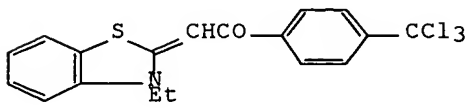


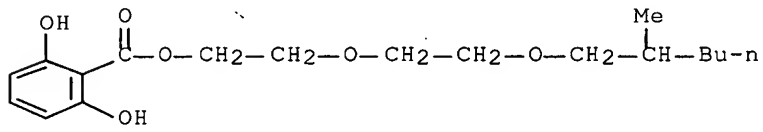
II

AB Trihalomethyl group-containing carbonylmethylene heterocycles (I; R = alkyl, aralkyl, or alkoxyalkyl; R1 = H or CO(Z)nC(R2)3; R2 = Cl, Br, or I; Z = alkylene, alkenylene, or arylene; Z1 = a divalent aromatic group; X = S, Se, O, dialkylmethylene, alken-1,2-ylene, 1,2-phenylenes, or NR; m = 1 or 2; n = 0 or 1), which upon exposure to light form HX and radicals, are used as photoinitiators in photosensitive compns. for use as photoresists, in the production of printing plates and the like. Thus, a mech. grained Al plate was coated with a composition containing II 0.5, a polyacetal of triethylene glycol and 2-ethylbutyraldehyde 23.75, a cresol-HCHO novolak resin 75.0, 2-ethoxyethanol 24.25, and MeCOEt 375 parts, dried at 100°, step wedge exposed for 2 min, and developed with an aqueous solution to give 7 steps.

IT ***98726-98-8***
RL: USES (Uses)
(photosensitive compns. containing trihalomethyl group-containing carbonylmethylene heterocycle photoinitiator and, for photoresists and printing plates)

RN 98726-98-8 HCAPLUS

CN Benzoic acid, 2,6-dihydroxy-, 2-[2-[(2-methylhexyl)oxy]ethoxy]ethyl ester (9CI) (CA INDEX NAME)



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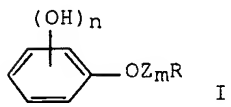
L31 ANSWER 47 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1984:77433 HCAPLUS Full-text
DOCUMENT NUMBER: 100:77433
TITLE: Pressure-sensitive copying color-developer sheets
PATENT ASSIGNEE(S): Carbon Paper Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: ***Patent***
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 57163596	A	19821007	JP 1981-50178	19810402 <--
PRIORITY APPLN. INFO.:			JP 1981-50178	19810402 <--

GI

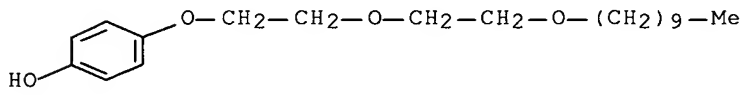


AB Color-developer sheets for use in pressure-sensitive copying paper sets contain an acidic clay and a compound of the formula I (Z = alkyleneoxy; R = C4-12 hydrocarbon moiety; n = 1, 2; m ≤3). Thus, butadiene-styrene latex, starch, and 4-(2-butoxyethoxy)phenol were added to a dispersion of acidic terra alba, and the mixture was coated on a paper support to give pressure-sensitive copying receptor sheet.

IT ***88530-94-3***
RL: USES (Uses)
(color developer compns. containing, for pressure-sensitive copying paper)

RN 88530-94-3 HCAPLUS

CN Phenol, 4-[2-[2-(decyloxy)ethoxy]ethoxy]- (9CI) (CA INDEX NAME)



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L31 ANSWER 48 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1983:575800 HCAPLUS Full-text

DOCUMENT NUMBER: 99:175800

TITLE: Herbicidal quinoxalinyl ethers

INVENTOR(S): Fawzi, Maged Mohamed

PATENT ASSIGNEE(S): du Pont de Nemours, E. I., and Co. , USA

SOURCE: Eur. Pat. Appl., 28 pp.
CODEN: EPXXDW

DOCUMENT TYPE: ***Patent***

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
EP 82699	A1	19830629	EP 1982-306769		19821217 <--
EP 82699	B1	19851113			
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE					
IL 67463	A	19851231	IL 1982-67463		19821213 <--
BR 8207256	A	19831018	BR 1982-7256		19821214 <--
ZA 8209219	A	19840725	ZA 1982-9219		19821215 <--
DK 8205587	A	19830618	DK 1982-5587		19821216 <--
JP 58110575	A	19830701	JP 1982-219341		19821216 <--
PRIORITY APPLN. INFO.:			US 1981-331685	A	19811217 <--

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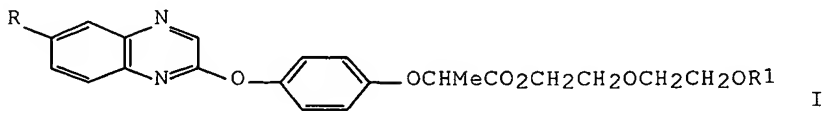


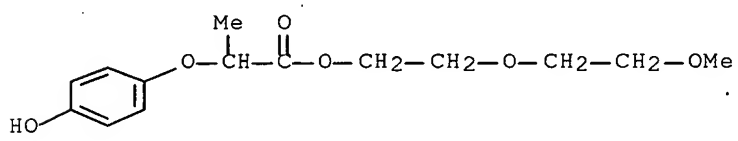
I

AB Haloquinoxalinyl ethers I (R = Cl, F, Br; R1 = Me, Et) were prepared, and showed herbicidal activity. A mixture of 2,6-dichloroquinoxaline, 4-HOC6H4OCHMeCO2CH2CH2OCH2CH2OMe, and NaH in DMF was heated at 130° to give I (R = Cl, R1 = Me).

IT ***87581-50-8***
RL: RCT (Reactant); RACT (Reactant or reagent)
(etherification of, by chloroquinoxaline derivative)

RN 87581-50-8 HCAPLUS

CN Propanoic acid, 2-(4-hydroxyphenoxy)-, 2-(2-methoxyethoxy)ethyl ester (9CI) (CA INDEX NAME)



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L31 ANSWER 49 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1983:506784 HCAPLUS Full-text

DOCUMENT NUMBER: 99:106784

TITLE: Anthraquinone dyes for liquid crystal display

INVENTOR(S): Claussen, Uwe; Neeff, Ruetger; Kroeck, Friedrich Wilhelm

PATENT ASSIGNEE(S): Bayer A.-G. , Fed. Rep. Ger.

SOURCE: Eur. Pat. Appl., 46 pp.
CODEN: EPXXDW

DOCUMENT TYPE: ***Patent***

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

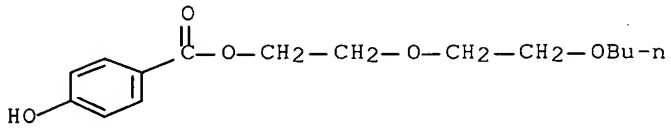
PATENT NO.	KIND	DATE	APPLICATION NO.		DATE	
EP 75173	A2	19830330	EP 1982-108190		19820906	<--
EP 75173	A3	19830921				
EP 75173	B1	19870401				
R: CH, DE, FR, GB, IT, LI, NL						
DE 3137298	A1	19830414	DE 1981-3137298		19810918	<--
JP 58061150	A	19830412	JP 1982-159018		19820914	<--
US 4863634	A	19890905	US 1984-616082		19840601	<--
PRIORITY APPLN. INFO.:			DE 1981-3137298	A	19810918	<--
			US 1982-414166	A1	19820902	<--

OTHER SOURCE(S): MARPAT 99:106784

AB Blue, violet, and reddish blue anthraquinone dyes, especially for use in liquid-crystal electrooptical display devices, were prepared by various methods and their order parameters (s) in liquid crystalline compns. were determined Typical dyes include 1,4,5,8-tetramino-2,6-bis[4-(pentoxycarbonyl)phenoxy]anthraquinone [86878-50-4] (s 0.82), 1,4,5-triamino-2-(butylthio)anthraquinone [86878-06-0] (s 0.67), and 1,8-diamino-2-(benzyloxy)-4-hydroxyanthraquinone [86877-47-6] (s 0.63). The preparation and s values of 145 other anthraquinone dyes are given.

IT ***86877-08-9***
RL: USES (Uses)
(etherification reaction of, with dibromoanthraquinone derivative)

RN 86877-08-9 HCAPLUS
CN Benzoic acid, 4-hydroxy-, 2-(2-butoxyethoxy)ethyl ester (9CI) (CA INDEX NAME)



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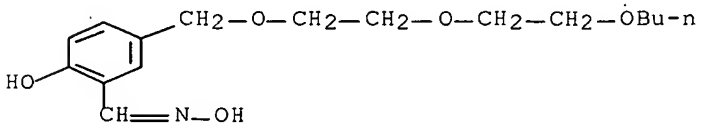
L31 ANSWER 50 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1982:200733 HCAPLUS Full-text
DOCUMENT NUMBER: 96:200733
TITLE: Metal complexing polymers
INVENTOR(S): Warshawsky, Abraham; Kalir, Rami; Patchornik, Abraham
PATENT ASSIGNEE(S): Yeda Research and Development Co. Ltd., Israel
SOURCE: U.S., 8 pp. Cont.-in-part of U.S. Ser. No. 817,806, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: ***Patent***
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 4317887	A	19820302	US 1979-65751		19790810 <--
ZA 7704290	A	19780628	ZA 1977-4290		19770718 <--
DE 2733251	A1	19780126	DE 1977-2733251		19770722 <--
PRIORITY APPLN. INFO.:			IL 1976-50119	A	19760725 <--
			ZA 1977-4290	A	19770718 <--
			CA 1977-283294	A	19770721 <--
			US 1977-817806	A2	19770721 <--
			DE 1977-2733251	A	19770722 <--

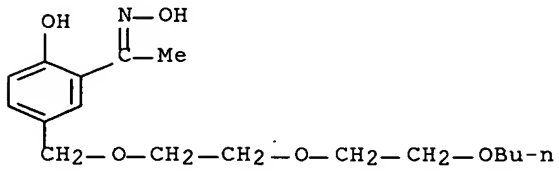
AB The title polymers, useful in the selective extraction of metals, bear Ph rings substituted with ligands (e.g. PO3H2 derivs., amide derivs., polyoxyalkylenes). Thus, heating 10 g (methylamino)methylated Amberlite XE305 (9% N) and 15 g 5-(chloromethyl)-8-hydroxyquinoline in CHCl3 for 24 h at 64° gave 24 g resin containing 4.2% N. The capacity of this resin for Fe(III), Cu(II), Co(II), Zn(II), and Ni(II) from 0.1M solns. was 0.77, 0.79, 0.08, 0.6, and 0.7 mmol/g, resp.

IT ***67107-78-2P 67107-79-3P***
RL: PREP (Preparation)
(preparation of)

RN 67107-78-2 HCAPLUS
CN Benzaldehyde, 5-[[2-(2-butoxyethoxy)ethoxy]methyl]-2-hydroxy-, oxime (9CI) (CA INDEX NAME)



RN 67107-79-3 HCAPLUS
CN Ethanone, 1-[5-[[2-(2-butoxyethoxy)ethoxy]methyl]-2-hydroxyphenyl]-, oxime (9CI) (CA INDEX NAME)



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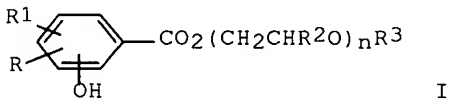
L31 ANSWER 51 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1981:130358 HCAPLUS Full-text
DOCUMENT NUMBER: 94:130358
TITLE: Photopolymerizable mixture containing improved plasticizer
INVENTOR(S): Faust, Raimund J.; Lehmann, Peter
PATENT ASSIGNEE(S): Hoechst A.-G., Fed. Rep. Ger.
SOURCE: U.S., 7 pp.
CODEN: USXXAM
DOCUMENT TYPE: ***Patent***
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 4245030	A	19810113	US 1979-41742		19790523 <--
PRIORITY APPLN. INFO.:			US 1979-41742	A	19790523 <--

GI



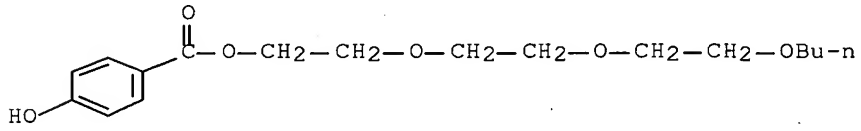
I

AB Photopolymerizable compns., which are storage stable and have insignificant cold flow, are comprised of a polymeric binder soluble or swellable in aqueous alkaline solution, an addition-polymerizable acrylic compound, a photoinitiator, and a plasticizer (I; R = H, halogen, C1-4 alkyl; R1 = H, OH, or C1-4 alkyl; R2 = H or Me; R3 = C1-20 alkyl or alkenyl; and n = 0-20). Thus, a solution comprised of 60:30:10 n-hexyl methacrylate- methacrylic acid-styrene polymer 6.5, polymerizable polyurethane 5, 2-ethylhexyl 4-hydroxybenzoate 2.8, 9-phenylacridine 0.2, Disperse Red dye 0.025 in MeCOEt 25, and EtOH 2 g was coated on a polyester support, dried (52 g/m2), exposed

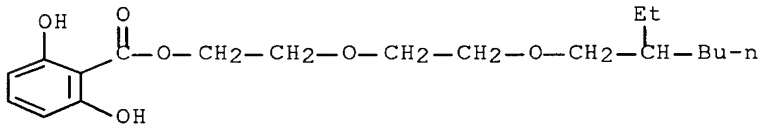
through a lined film original, and spray developed 120 s using a 0.8% Na2CO3 solution to give line images of 50 μm resolution, which were resistant to electroplating baths (no undercutting or cracking).

IT ***64524-57-8 73639-18-6 73639-19-7 73639-20-0 73639-22-2 73639-23-3 73639-25-5 73651-70-4 73651-72-6 73689-07-3***
RL: MOA (Modifier or additive use); USES (Uses)
(plasticizer, for addition polymerizable composition for low cold flow and storage stable photoresist)

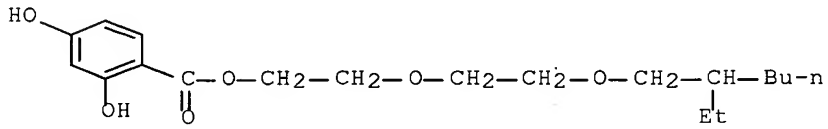
RN 64524-57-8 HCAPLUS
CN Benzoic acid, 4-hydroxy-, 2-[2-(2-butoxyethoxy)ethoxy]ethyl ester (9CI) (CA INDEX NAME)



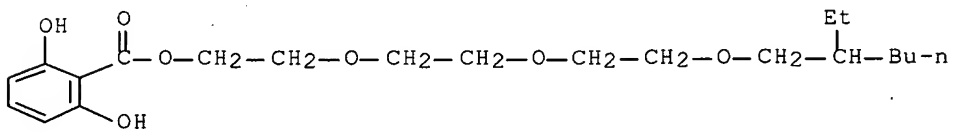
RN 73639-18-6 HCAPLUS
CN Benzoic acid, 2,6-dihydroxy-, 2-[2-[(2-ethylhexyl)oxy]ethoxy]ethyl ester (9CI) (CA INDEX NAME)



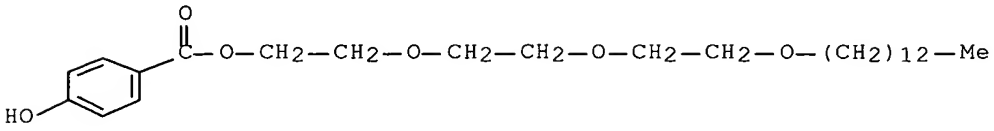
RN 73639-19-7 HCAPLUS
CN Benzoic acid, 2,4-dihydroxy-, 2-[2-[(2-ethylhexyl)oxy]ethoxy]ethyl ester (9CI) (CA INDEX NAME)



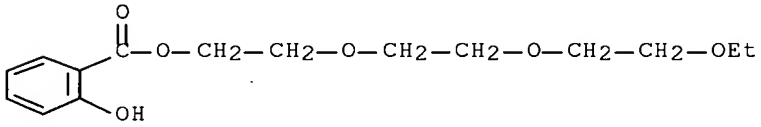
RN 73639-20-0 HCAPLUS
CN Benzoic acid, 2,6-dihydroxy-, 2-[2-[2-[(2-ethylhexyl)oxy]ethoxy]ethoxy]ethyl ester (9CI) (CA INDEX NAME)



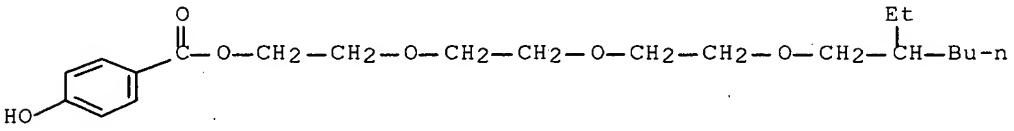
RN 73639-22-2 HCAPLUS
CN Benzoic acid, 4-hydroxy-, 2-[2-[2-(tridecyloxy)ethoxy]ethoxy]ethyl ester (9CI) (CA INDEX NAME)



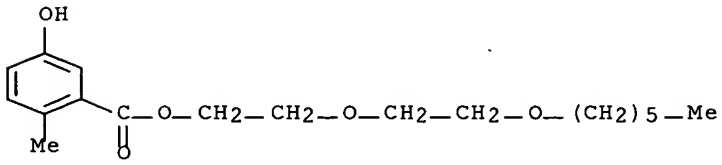
RN 73639-23-3 HCAPLUS
CN Benzoic acid, 2-hydroxy-, 2-[2-(2-ethoxyethoxy)ethoxy]ethyl ester (9CI) (CA INDEX NAME)



RN 73639-25-5 HCAPLUS
CN Benzoic acid, 4-hydroxy-, 2-[2-[2-[(2-ethylhexyl)oxy]ethoxy]ethoxy]ethyl ester (9CI) (CA INDEX NAME)



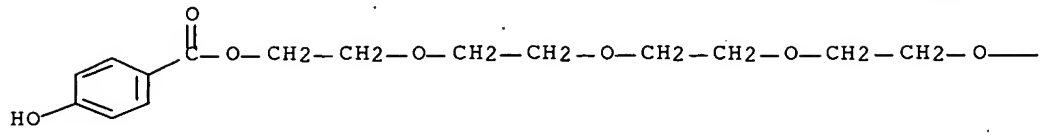
RN 73651-70-4 HCAPLUS
CN Benzoic acid, 5-hydroxy-2-methyl-, 2-[2-(hexyloxy)ethoxy]ethyl ester (9CI) (CA INDEX NAME)



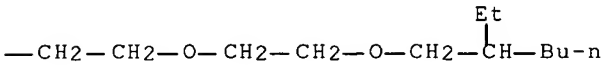
RN 73651-72-6 HCAPLUS
CN Benzoic acid, 4-hydroxy-, 20-ethyl-3,6,9,12,15,18-hexaoxatetracos-1-yl

ester (9CI) (CA INDEX NAME)

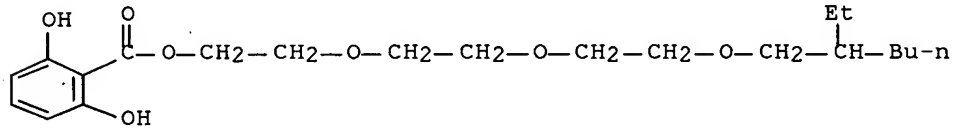
PAGE 1-A



PAGE 1-B



RN 73689-07-3 HCAPLUS
CN Benzoic acid, 2,6-dihydroxy-, 2-[2-[2-[(2-ethylhexyl)oxy]methylethoxy]methylethoxy]methylethyl ester (9CI) (CA INDEX NAME)



3 (D1_Me)

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L31 ANSWER 52 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1980:207139 HCAPLUS Full-text
DOCUMENT NUMBER: 92:207139
TITLE: Photopolymerizable mixture
INVENTOR(S): Faust, Raimund Josef
PATENT ASSIGNEE(S): Hoechst A.-G., Fed. Rep. Ger.
SOURCE: Ger. Offen., 19 pp.
CODEN: GWXXBX
DOCUMENT TYPE: ***Patent***
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2822190	A1	19791122	DE 1978-2822190	19780520 <--
EP 5750	A1	19791212	EP 1979-101410	19790509 <--
EP 5750	B1	19820303		
R: BE, CH, DE, FR, GB, IT, NL, SE				
CA 1121204	A1	19820406	CA 1979-327827	19790517 <--
JP 54153624	A	19791204	JP 1979-60574	19790518 <--

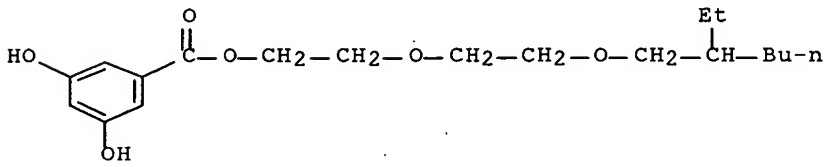
JP 62039417	B	19870822		
US 4250248	A	19810210	US 1979-41741	19790523 <--
US 4296196	A	19811020	US 1980-163597	19800627 <--
PRIORITY APPLN. INFO.:			DE 1978-2822190	19780520 <--
			US 1979-41741 A3	19790523 <--

AB Photopolymerizable compns. for use as photoresists and in the fabrication of printing plates are composed of a binder that is soluble or swellable in aqueous solution, a photoinitiator, and an addition polymerizable polyurethane with ≥2 acrylic acid or methacrylic acid ester end groups and having the formula CH2:CRCO2Z2CONHZ1(NHCO2Z2CONHZ1)nNHCO2Z2COCR:CH2 (R = H or Me; Z = (CH2CHR1O)p where R1 = R and p = 1-4; Z1 = a saturated aliphatic or cycloaliph. group with 2-12 C atoms; Z2 = (CH2CHR2O)m,(CH2CHR2S)m-1CH2CHR2O, CkH2kO, CrH2r-2O where R2= R, m = 2-4, k = 2-12, r = 4-12; n = 2-15). These compns. give developed images which adhere well to metal supports and are resistant to etching solns. Thus, a photopolymerizable composition containing hexyl methacrylate-methacrylic acid-styrene copolymer (60:30:10 weight parts; average mol. weight 35,000) 6.5, a diurethane prepared by reaction of 2,2,4-trimethylhexamethylene diisocyanate 1 mol with hydroxyethyl acrylate 2 mol 2.8, a polyurethane prepared by reacting 2,2,4-trimethylhexamethylene diisocyanate 11 mol with triethylene glycol 10 mol and then with hydroxyethyl methacrylate 2 mol 2.8, 9-phenylacridine 0.2, 3-mercaptopropionic acid 2,4-dichloroanilide 0.1, a blue azo dye 0.035, the ester of diethylene glycol mono-2-ethylhexyl ether with 2,6-dihydroxybenzoic acid 2.8, MeCOEt 35, and EtOH 2g was coated on a biaxially oriented and heat-fixed poly(ethylene terephthalate) support at 28 g/m2 (dry), then laminated to a Cu-laminated phenolic plate, imagewise exposed, spray developed with 0.8% Na2CO3, washed, etched, and galvanized. The plate showed no undercutting or damage.

IT ***73655-03-5***
RL: USES (Uses)
(photopolymerizable compns. containing unsatd. polyurethanes and, for printing plates and photoresists)

RN 73655-03-5 HCAPLUS

CN Benzoic acid, 3,5-dihydroxy-, 2-[2-[(2-ethylhexyl)oxy]ethoxy]ethyl ester (9CI) (CA INDEX NAME)



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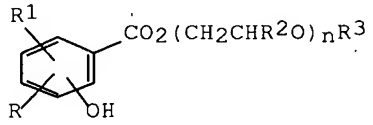
L31 ANSWER 53 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER:	1980:207138 HCAPLUS Full-text
DOCUMENT NUMBER:	92:207138
TITLE:	Photopolymerizable mixture
INVENTOR(S):	Faust, Raimund Josef; Lehmann, Peter
PATENT ASSIGNEE(S):	Hoechst A.-G., Fed. Rep. Ger.
SOURCE:	Ger. Offen., 35 pp. CODEN: GWXXBX
DOCUMENT TYPE:	***Patent***
LANGUAGE:	German
FAMILY ACC. NUM. COUNT:	1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2822191	A1	19791122	DE 1978-2822191	19780520 <--
EP 6125	A1	19800109	EP 1979-101411	19790509 <--
EP 6125	B1	19830511		
R: BE, CH, DE, FR, GB, IT, NL, SE				
CA 1128802	A1	19820803	CA 1979-327826	19790517 <--
JP 54153623	A	19791204	JP 1979-60573	19790518 <--
JP 62045968	B	19870930		
PRIORITY APPLN. INFO.:			DE 1978-2822191	19780520 <--

GI



I

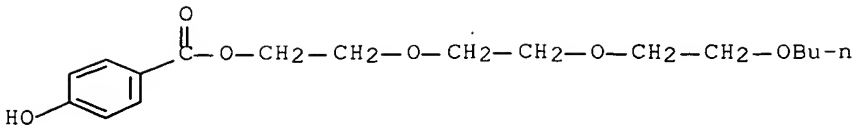
AB Photopolymerizable compns. for use as photoresists and in the fabrication of printing plates are composed of a binder that is soluble or swellable in aqueous alkaline solution, an addition polymerizable compound with ≥2 acrylic acid or methacrylic acid ester groups and a b.p. >100°, a photoinitiator, and a plasticizer having the formula I (R = H, halogen, C1-4 alkyl; R1 = H, OH, C1-4 alkyl; R2 = H, Me; R3 = C1-20 alkyl or alkenyl and contains ≥4 C atoms when n = 0 or 1; n = 0-20). The compns. give developed images which adhere well to metal supports and are resistant to etching solns. Thus, a photopolymerizable composition containing hexyl methacrylate-methacrylic acid-styrene copolymer (60:30:10 wt parts; average mol wt 35,000) 6.5, a diurethane prepared by reaction of 2,2,4-trimethylhexamethylene diisocyanate 1 mol with hydroxymethyl acrylate 2 mol 2.8, a polyurethane prepared by reaching 2,2,4-trimethylhexamethylene diisocyanate 11 mol with triethylene glycol 10 mol and then with hydroxyethyl methacrylate 2 mol 2.8, 9-phenylacridine 0.2, 3-mercaptopropionic acid 2,4-dichloroanilide 0.1, a blue azo dye 0.035, the ester of diethylene glycol mono-2-ethylhexyl ether with 2,6-dihydroxybenzoic acid 2.8, MeCOEt 35, and EtOH 2 g was coated on a biaxial oriented and heat-fixed PET support at 28 g/m2 (dry), laminated on a Cu-laminated phenolic plate, imagewise exposed, spray developed with 0.8% Na2CO3, washed, etched, and galvanized. The plate showed no undercutting or damage.

IT ***64524-57-8 73639-18-6 73639-19-7 73639-20-0 73639-21-1 73639-22-2 73639-23-3 73639-25-5 73651-70-4 73651-72-6 73689-07-3***

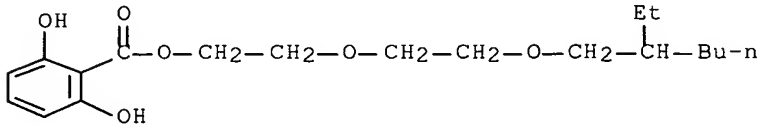
RL: MOA (Modifier or additive use); USES (Uses)
(plasticizer, for photopolymerizable compns. for photoresists and printing plates)

RN 64524-57-8 HCAPLUS

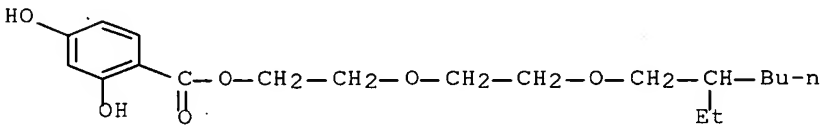
CN Benzoic acid, 4-hydroxy-, 2-[2-(2-butoxyethoxy)ethoxy]ethyl ester (9CI) (CA INDEX NAME)



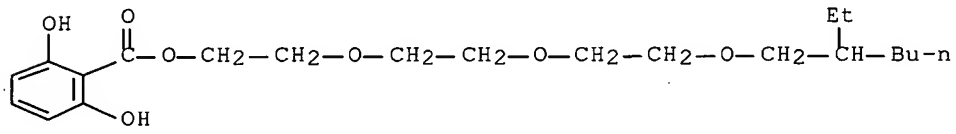
RN 73639-18-6 HCAPLUS
CN Benzoic acid, 2,6-dihydroxy-, 2-[2-[(2-ethylhexyl)oxy]ethoxy]ethyl ester (9CI) (CA INDEX NAME)



RN 73639-19-7 HCAPLUS
CN Benzoic acid, 2,4-dihydroxy-, 2-[2-[(2-ethylhexyl)oxy]ethoxy]ethyl ester (9CI) (CA INDEX NAME)

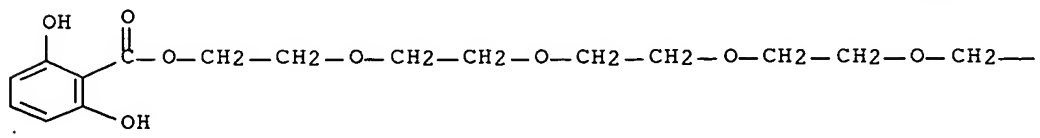


RN 73639-20-0 HCAPLUS
CN Benzoic acid, 2,6-dihydroxy-, 2-[2-[2-[(2-ethylhexyl)oxy]ethoxy]ethoxy]ethyl ester (9CI) (CA INDEX NAME)

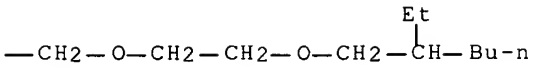


RN 73639-21-1 HCAPLUS
CN Benzoic acid, 2,6-dihydroxy-, 20-ethyl-3,6,9,12,15,18-hexaoxatetracos-1-yl ester (9CI) (CA INDEX NAME)

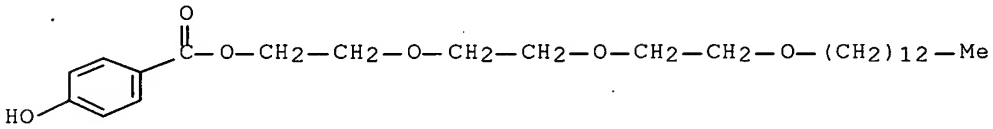
PAGE 1-A



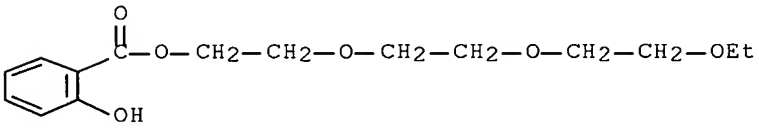
PAGE 1-B



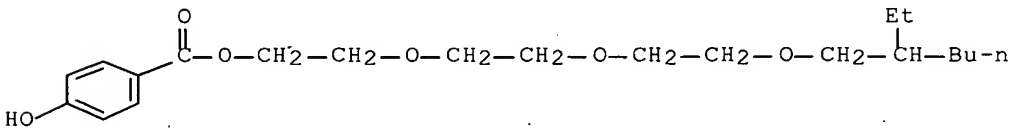
RN 73639-22-2 HCAPLUS
CN Benzoic acid, 4-hydroxy-, 2-[2-[2-(tridecyloxy)ethoxy]ethoxy]ethyl ester (9CI) (CA INDEX NAME)



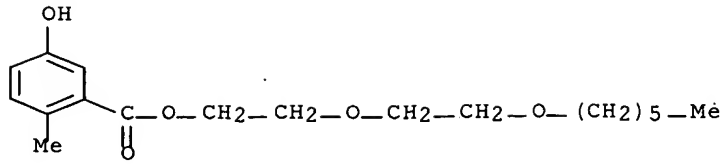
RN 73639-23-3 HCAPLUS
CN Benzoic acid, 2-hydroxy-, 2-[2-(2-ethoxyethoxy)ethoxy]ethyl ester (9CI) (CA INDEX NAME)



RN 73639-25-5 HCAPLUS
CN Benzoic acid, 4-hydroxy-, 2-[2-[2-[(2-ethylhexyl)oxy]ethoxy]ethoxy]ethyl ester (9CI) (CA INDEX NAME)

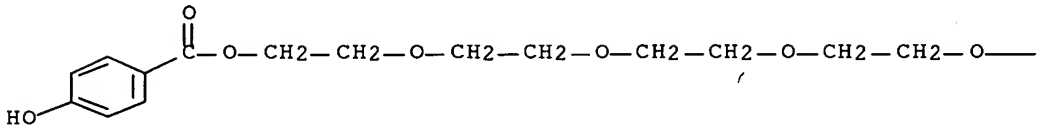


RN 73651-70-4 HCAPLUS
CN Benzoic acid, 5-hydroxy-2-methyl-, 2-[2-(hexyloxy)ethoxy]ethyl ester (9CI) (CA INDEX NAME)

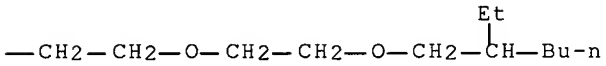


RN 73651-72-6 HCAPLUS
CN Benzoic acid, 4-hydroxy-, 20-ethyl-3,6,9,12,15,18-hexaoxatetracos-1-yl ester (9CI) (CA INDEX NAME)

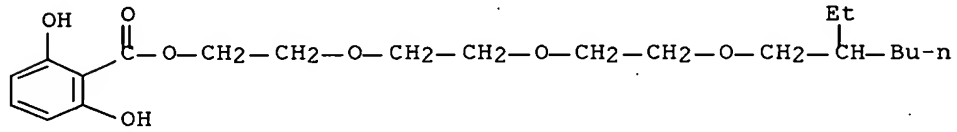
PAGE 1-A



PAGE 1-B



RN 73689-07-3 HCAPLUS
CN Benzoic acid, 2,6-dihydroxy-, 2-[2-[2-[(2-ethylhexyl)oxy]methylethoxy]methylethoxy]methylethyl ester (9CI) (CA INDEX NAME)



3 (D1_Me)

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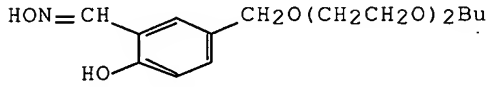
L31 ANSWER 54 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1978:600987 HCAPLUS Full-text
DOCUMENT NUMBER: 89:200987
TITLE: Extraction agent
INVENTOR(S): Warshawsky, Abraham
PATENT ASSIGNEE(S): Yeda Research and Development Co. Ltd., Israel
SOURCE: Ger. Offen., 30 pp.
CODEN: GWXXBX

DOCUMENT TYPE: ***Patent***
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2732800	A1	19780126	DE 1977-2732800	19770720 <--
IL 50120	A	19810331	IL 1976-50120	19760725 <--
ZA 7704288	A	19780628	ZA 1977-4288	19770718 <--
AU 7727185	A	19790125	AU 1977-27185	19770720 <--
US 4220726	A	19800902	US 1977-817807	19770721 <--
CA 1116158	A1	19820112	CA 1977-283296	19770721 <--
GB 1590641	A	19810603	GB 1977-30190	19770725 <--

PRIORITY APPLN. INFO.: IL 1976-50120 A 19760725 <--
GI

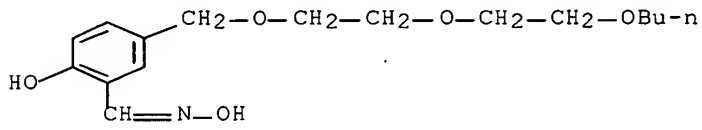


I

AB A macroporous polymer carrier is impregnated with a selective extractant for Cu, Ni, Zn, and Fe from aqueous solns. Thus, Amberlite XAD-2 [9060-05-3] was impregnated with 1M I [***67107-78-2***] and used as an absorbent for the extraction of Cu from a solution containing 3.0 g Cu(II)L and 3.0 g Fe/L at pH 2.0. The solution was passed through a column packed with the absorbent at 0.5 mL/min. The Cu was stripped with 1N H2SO4 and the Cu/Fe selectivity factor was calculated as 452.

IT ***67107-78-2***
RL: PROC (Process)
(extraction agent, for copper and iron)

RN 67107-78-2 HCAPLUS
CN Benzaldehyde, 5-[[2-(2-butoxyethoxy)ethoxy]methyl]-2-hydroxy-, oxime (9CI) (CA INDEX NAME)



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L31 ANSWER 55 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1978:580994 HCAPLUS Full-text
DOCUMENT NUMBER: 89:180994
TITLE: Polyether compounds
INVENTOR(S): Warshawsky, Abraham; Patchornik, Abraham; Kalir, Rami
PATENT ASSIGNEE(S): Yeda Research and Development Co. Ltd., Israel
SOURCE: S. African, 31 pp.
CODEN: SFXXAB

DOCUMENT TYPE: ***Patent***
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

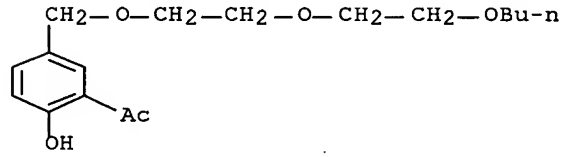
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ZA 7704289	A	19780628	ZA 1977-4289	19770718 <--
IL 50122	A	19810629	IL 1976-50122	19760725 <--
AU 7727142	A	19790125	AU 1977-27142	19770719 <--
US 4154674	A	19790515	US 1977-817808	19770721 <--
CA 1117739	A1	19820209	CA 1977-283295	19770721 <--

PRIORITY APPLN. INFO.: IL 1976-50122 A 19760725 <--

AB Polyethers having ≥1 terminal OH group are reacted with a variety of low-mol.-weight compds. or chloromethylated styrene polymers to give compds. with various functional groups for use in extraction of metals, organic or inorg. acids, or Br from various media. Thus, dioxane containing NaH and 150 g polyethylene glycol (mol. weight 600) was heated 24 h at 90-100° with 21 g chloromethylated polystyrene in dioxane to give 43 g adduct. A chloride-phosphate acidic solution containing Fe 1.8, P 34.2, and Cl 300 g/L was passed through a column containing the above-prepared adduct, and the outcoming solution contained 0.087 g/L Fe and 335 g/L P, indicating 98% recovery of P and removal of 95% of Fe.

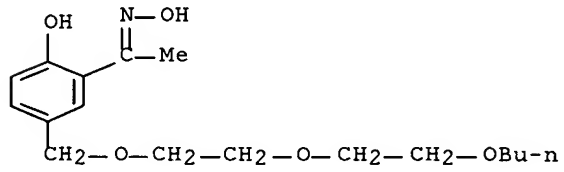
IT ***68191-01-5P***
RL: PREP (Preparation)
(manufacture and reaction with hydroxylamine)

RN 68191-01-5 HCAPLUS
CN Ethanone, 1-[5-[[2-(2-butoxyethoxy)ethoxy]methyl]-2-hydroxyphenyl]- (9CI) (CA INDEX NAME)

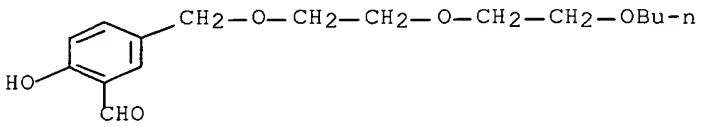


IT ***67107-79-3P 68191-00-4P***
RL: PREP (Preparation)
(manufacture of, as extraction agents for metals or organic or inorg. acids)

RN 67107-79-3 HCAPLUS
CN Ethanone, 1-[5-[[2-(2-butoxyethoxy)ethoxy]methyl]-2-hydroxyphenyl]-, oxime (9CI) (CA INDEX NAME)



RN 68191-00-4 HCAPLUS
CN Benzaldehyde, 5-[[2-(2-butoxyethoxy)ethoxy]methyl]-2-hydroxy- (9CI) (CA INDEX NAME)



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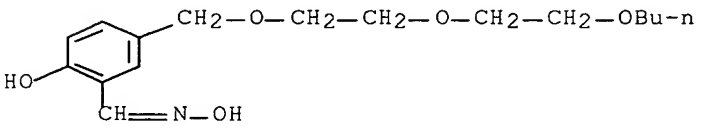
L31 ANSWER 56 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1978:444632 HCAPLUS Full-text
DOCUMENT NUMBER: 89:44632
TITLE: Polyfunctional compounds
INVENTOR(S): Warshawsky, Abraham; Kalir, Rami; Patchornik, Abraham
PATENT ASSIGNEE(S): Yeda Research and Development Co. Ltd., Israel
SOURCE: Ger. Offen., 25 pp.
CODEN: GWXXBX
DOCUMENT TYPE: ***Patent***
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
DE 2733251	A1	19780126	DE 1977-2733251		19770722 <--
US 4317887	A	19820302	US 1979-65751		19790810 <--
PRIORITY APPLN. INFO.:			IL 1976-50119	A	19760725 <--
			ZA 1977-4290	A	19770718 <--
			CA 1977-283294	A	19770721 <--
			US 1977-817806	A2	19770721 <--
			DE 1977-2733251	A	19770722 <--

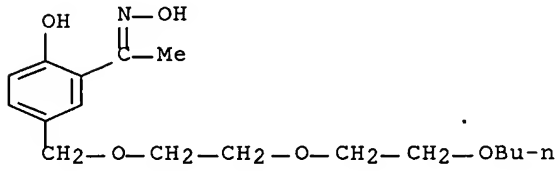
AB Styrene and acrylamide polymer derivs. are treated with amines and chlorosulfonyl compds. to provide biocides and products useful as selective metal complexing agents. Thus, 10 g aminomethylated (9% N) Xe-305 (polystyrene derivative) was heated 24 h at 64° with 15 g 5-(chloromethyl)-8-hydroxyquinoline in CHCl3 to give a metal-complexing product which had 0.8, 0.05, 0.3, 0.8, and 0.7 mmol/g capacity for Fe, Cu, Co, Zn, and Ni, resp., at different pH values.

IT ***67107-78-2P 67107-79-3P***
RL: PREP (Preparation)
(preparation of)

RN 67107-78-2 HCAPLUS
CN Benzaldehyde, 5-[[2-(2-butoxyethoxy)ethoxy]methyl]-2-hydroxy-, oxime (9CI) (CA INDEX NAME)



RN 67107-79-3 HCAPLUS
CN Ethanone, 1-[5-[[2-(2-butoxyethoxy)ethoxy]methyl]-2-hydroxyphenyl]-, oxime (9CI) (CA INDEX NAME)



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L31 ANSWER 57 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1978:122663 HCAPLUS Full-text
DOCUMENT NUMBER: 88:122663
TITLE: Azo dyes
INVENTOR(S): Trautner, Kersten; Schuendelhuette, Karl Heinz
PATENT ASSIGNEE(S): Bayer A.-G., Fed. Rep. Ger.
SOURCE: Ger. Offen., 30 pp.
CODEN: GWXXBX
DOCUMENT TYPE: ***Patent***
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE	
DE 2630988	A1	19780119	DE 1976-2630988		19760709	<--
DE 2630988	C2	19860102				
GB 1550026	A	19790808	GB 1977-27876		19770704	<--
CH 637416	A5	19830729	CH 1977-8276		19770705	<--
US 4145342	A	19790320	US 1977-813314		19770706	<--
JP 53007731	A	19780124	JP 1977-80514		19770707	<--
FR 2357610	A1	19780203	FR 1977-21225		19770708	<--
FR 2357610	B1	19810710				
BR 7704486	A	19780411	BR 1977-4486		19770708	<--
ES 460557	A1	19780516	ES 1977-460557		19770708	<--
PRIORITY APPLN. INFO.:			DE 1976-2630988	A	19760709	<--

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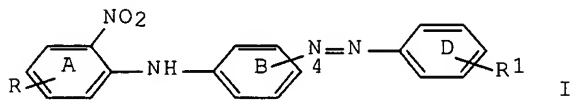


I

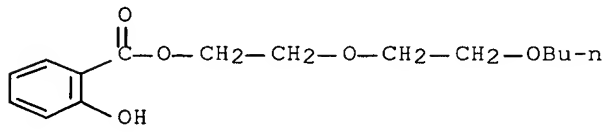
AB Sulfo group-free azo dyes I[R, R1 = H, Z(Z1O)nR2, R ≠ R1 = H; R2 = H, alkyl, aryl, aralkyl, acyl; Z = direct bond or bridging group; Z1 = alkylene; n = 2-10; A, B, D may be substituted with nonionic substituents; azo group in m- or p-position] were prepared and used to dye polyester fibers fast yellow shades.

Thus, 2-nitro-4-carboxy-4'-aminodiphenylamine [65883-04-7] was diazotized and coupled with phenol [108-95-2] to give I (R = 4-CO2H, R1 = 4-HO; azo bond in 4-position) [65883-13-8] which was treated with triethylene glycol 2-chloroethyl methyl ether [57722-04-0] to give I (R = 4-CO2H, R1 = 4-Me(OCH2CH2)4O; azo bond in 4-position) [65883-14-9].

IT ***65883-06-9***
RL: RCT (Reactant); RACT (Reactant or reagent)
(coupling of, with diazotized aminodiphenylamine derivative)

RN 65883-06-9 HCAPLUS

CN Benzoic acid, 2-hydroxy-, 2-(2-butoxyethoxy)ethyl ester (9CI) (CA INDEX NAME)



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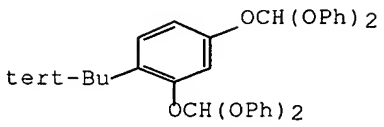
L31 ANSWER 58 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1977:575685 HCAPLUS Full-text
DOCUMENT NUMBER: 87:175685
TITLE: Radiation-sensitive copying composition
INVENTOR(S): Buhr, Gerhard; Ruckert, Hans; Frass, Hans W.
PATENT ASSIGNEE(S): Hoechst A.-G., Fed. Rep. Ger.
SOURCE: Ger. Offen., 135 pp.
CODEN: GWXXBX
DOCUMENT TYPE: ***Patent***
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2610842	A1	19760930	DE 1976-2610842	19760315 <--
DE 2610842	C3	19790222		
CH 621416	A5	19810130	CH 1975-3953	19750327 <--
SE 7602345	A	19760928	SE 1976-2345	19760225 <--
SE 412128	C	19800605		
NL 7603032	A	19760929	NL 1976-3032	19760323 <--
NL 185244	B	19890918		
NL 185244	C	19900216		
BE 839974	A1	19760924	BE 1976-165515	19760324 <--
US 4101323	A	19780718	US 1976-669892	19760324 <--
GB 1548757	A	19790718	GB 1976-12045	19760325 <--
BR 7601873	A	19760928	BR 1976-1873	19760326 <--
DK 7601364	A	19760928	DK 1976-1364	19760326 <--
DK 145957	B	19830425		
DK 145957	C	19830926		
FR 2305757	A1	19761022	FR 1976-8845	19760326 <--
ZA 7601861	A	19770330	ZA 1976-1861	19760326 <--
ES 446435	A1	19780316	ES 1976-446435	19760326 <--
CA 1093368	A1	19810113	CA 1976-248914	19760326 <--
JP 51120714	A	19761022	JP 1976-34157	19760327 <--
JP 60020738	B	19850523		
AU 7612431	A	19771006	AU 1976-12431	19760329 <--

AU 507618 B2 19800221
PRIORITY APPLN. INFO.: CH 1975-3953 A 19750327 <--
GI

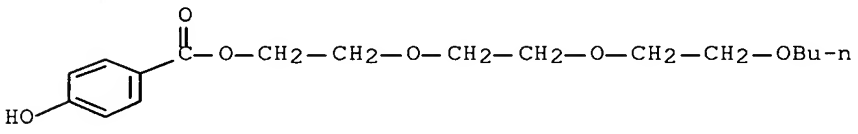


I

AB Pos.-working copying compns., which are sensitive to both light and electron radiation, are composed of a support coated with a composition containing a compound capable of spliting off an acid, a compound containing ≥1 orthocarboxylic ester group and/or a carboxamide acetal group or ≥1 compound containing the acid cleavable group -COCHRCH-(R = aryloxy, arylsulfonylalkylamino, or a heterocyle), whose solubility is increased by the action of an acid, and a binder. Thus, a typical copying composition was prepared from MeCOEt 94.6, Alnovol PN 429 4.0, I 1.2, 1,2-naphthoquinone-2-diazide-4-sulfonyl chloride 0.2, and Crystal Violet 0.01 part by weight

IT ***64524-57-8P***
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 64524-57-8 HCAPLUS
CN Benzoic acid, 4-hydroxy-, 2-[2-(2-butoxyethoxy)ethoxy]ethyl ester (9CI) (CA INDEX NAME)



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L31 ANSWER 59 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1977:502993 HCAPLUS Full-text
DOCUMENT NUMBER: 87:102993
TITLE: 3,5-Dialkyl-4-hydroxyphenylalkanoic acid esters of polyalkylene glycols
INVENTOR(S): Dexter, Martin; Spivack, John D.; Steinberg, David Herbert
PATENT ASSIGNEE(S): Ciba-Geigy Corp., USA
SOURCE: U.S., 5 pp.
CODEN: USXXAM
DOCUMENT TYPE: ***Patent***
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4032562	A	19770628	US 1975-625414	19751024 <--

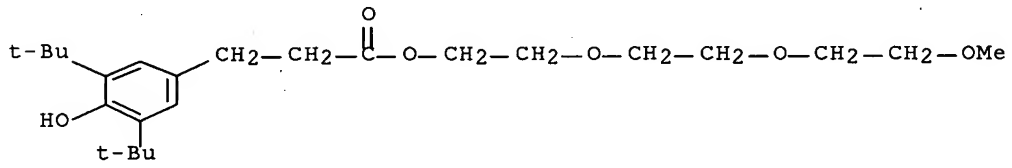
PRIORITY APPLN. INFO.: US 1971-159020 A2 19710701 <--
US 1973-402492 A1 19731001 <--
US 1974-521107 A1 19741105 <--

AB Polyalkylene glycol esters with 3,5-dialkyl-4-hydroxyphenylalkanoic acids are useful heat stabilizers and antioxidants for polymers, lubricating oils, vegetable oils, alkylene glycols, and unsatd. compds. Thus, 0.5% methoxytriethylene glycol 3-(3',5'-di-tert-butyl-4'- hydroxyphenyl)propionate [***39240-47-6***], prepared by treating Me 3-(3,5-di-tert-butyl)-4-hydroxyphenyl)propionate [6386-38-5] with methoxytriethylene glycol [112-35-6], was blended with polypropylene [9003-07-0]. The polymer was milled into sheets which were pressed 7 min at 218°/2000 psi to give 25 mil thick pieces having good resistance to aging in a forced draft oven at 150°.

IT ***39240-47-6***
RL: USES (Uses)
(antioxidants and heat stabilizers, for oils and polymers)

RN 39240-47-6 HCAPLUS

CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2-[2-(2-methoxyethoxy)ethoxy]ethyl ester (9CI) (CA INDEX NAME)



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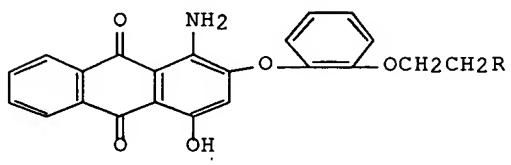
L31 ANSWER 60 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1976:578973 HCAPLUS Full-text
DOCUMENT NUMBER: 85:178973
TITLE: Anthraquinone dyes
INVENTOR(S): Morishita, Yasuyoshi; Kurosawa, Mitsuru
PATENT ASSIGNEE(S): Nippon Kayaku Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: ***Patent***
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 51092831	A	19760814	JP 1975-18028	19750214 <--

PRIORITY APPLN. INFO.: JP 1975-18028 A 19750214 <--

GI



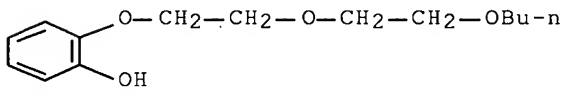
I

AB I [R = OMe (II) [60742-24-7], OCH2CH2OBu [60742-25-8], OEt [60742-26-9], Cl [60742-27-0]], red on polyester fibers, were prepared For example, 1-amino-2-bromo-4-hydroxyanthraquinone [116-82-5] was heated with catechol mono(2-methoxyethyl) ether [33130-23-3] in PhNO2 in the presence of K2CO3 at 150-5° for 10 hr to give II.

IT ***60742-22-5***
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with aminohydroxyphenoxyanthraquinone)

RN 60742-22-5 HCAPLUS

CN Phenol, 2-[2-(2-butoxyethoxy)ethoxy]- (9CI) (CA INDEX NAME)



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L31 ANSWER 61 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1975:412189 HCAPLUS Full-text

DOCUMENT NUMBER: 83:12189

TITLE: Disperse anthraquinone dyes

INVENTOR(S): Morishita, Yasuyoshi; Kawanishi, Takeshi; Kurosawa, Mitsuru

PATENT ASSIGNEE(S): Nippon Kayaku Co., Ltd.

SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF

DOCUMENT TYPE: ***Patent***

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 50002027	A	19750110	JP 1973-50330	19730508 <--
JP 52036523	B	19770916		

PRIORITY APPLN. INFO.: JP 1973-50330 A 19730508 <--

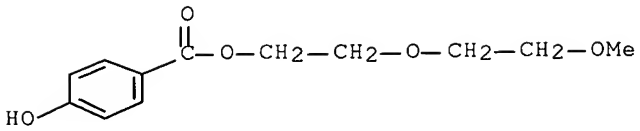
GI For diagram(s), see printed CA Issue.

AB Anthraquinones (I, R = halogen or optionally substituted phenoxy) react with m- or p-HOC6H4CO2R1 (II, R1 = alkoxyalkyl, aryloxyalkyl, alkoxyalkoxyalkyl, aryloxyalkoxyalkyl, or aralkyl) to give water-insoluble dyes (I, R = OC6H4CO2R1) (III). Thus, I (R = Br) [116-82-5] 32, II (R1 = CH2CH2OBu) [54872-02-5] 120, and K2CO3 9 parts were heated slowly to 150°, kept for 10 hr at 150-5°, and mixed at room temperature with MeOH to give 43 parts p-III (R1 = CH2CH2OBu) [54872-05-8], clear red on polyester fibers. Similarly prepared were red III (all p, R1 = (CH2CH2O)2Me, CH2CH2OPh, and CH2CH2OMe).

IT ***55468-87-6***
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with aminobromohydroxyanthraquinone)

RN 55468-87-6 HCAPLUS

CN Benzoic acid, 4-hydroxy-, 2-(2-methoxyethoxy)ethyl ester (9CI) (CA INDEX NAME)



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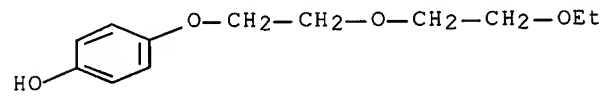
L31 ANSWER 62 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1975:172605 HCAPLUS Full-text
DOCUMENT NUMBER: 82:172605
TITLE: Dyeing of hydrophobic fibers
INVENTOR(S): Kurosawa, Mitsuru; Morishita, Yasuyoshi; Kawanishi, Takeshi
PATENT ASSIGNEE(S): Nippon Kayaku Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.
CODEN: JKXXAF
DOCUMENT TYPE: ***Patent***
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 49100385	A	19740921	JP 1973-11628	19730130 <--

PRIORITY APPLN. INFO.: JP 1973-11628 A 19730130 <--
GI For diagram(s), see printed CA Issue.
AB Hydrophobic fibers were dyed with anthraquinone dyes I [R = alkoxyalkyl, aryloxyalkyl, alkoxyalkoxyalkyl, aryloxyalkoxyalkyl, aralkyl, 3- or 4-CO2R (II)]. For example, 1-amino-2-bromo-4-hydroxyanthraquinone [116-82-5] and 2-butoxyethyl p-hydroxybenzoate [54872-02-5] in nitrobenzene were heated in the presence of K2CO3 at 150° for 20 hr to give II (R = CH2CH2OBu) [54872-05-8], red on polyester fiber; the dyeing had better washfastness than that dyed with II (R = Me). Red dyes II (R = CH2CH2OCH2CH2OMe) [54872-06-9] and II (R = CH2CH2OCH2CH2OEt) [54872-07-0] were also prepared
IT ***54872-04-7***
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with aminobromohydroxyanthraquinone)
RN 54872-04-7 HCAPLUS
CN Phenol, 4-[2-(2-ethoxyethoxy)ethoxy]- (9CI) (CA INDEX NAME)



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L31 ANSWER 63 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1973:112082 HCAPLUS Full-text
DOCUMENT NUMBER: 78:112082
TITLE: Glycol 3-(3,5-dialkyl-4-hydroxyphenyl)propionates as stabilizers
INVENTOR(S): Dexter, Martin; Spivack, John D.; Steinberg, David

Herbert
PATENT ASSIGNEE(S): Ciba-Geigy A.-G.
SOURCE: Ger. Offen., 20 pp.
CODEN: GWXXBX
DOCUMENT TYPE: ***Patent***
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2231671	A1	19730118	DE 1972-2231671	19720628 <--
DE 2231671	B2	19810702		
DE 2231671	C3	19820429		
CA 995686	A1	19760824	CA 1972-144424	19720612 <--
GB 1376482	A	19741204	GB 1972-29861	19720626 <--
NL 7209214	A	19730103	NL 1972-9214	19720630 <--
IT 968195	B	19740320	IT 1972-26453	19720630 <--
JP 56052073	B	19811209	JP 1972-65865	19720630 <--
FR 2143963	A1	19730209	FR 1972-23989	19720703 <--

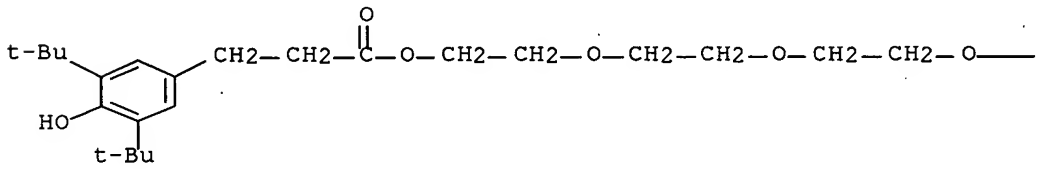
PRIORITY APPLN. INFO.: US 1971-159020 A 19710701 <--

AB Six 3,4,5-R(HO)(Me3C)C6H2CH2CH2CO(OCh2CH2)nR1 (n = 1, 3, 7, or 8; R = CMe3 or Me; R1 = OH, OMe, or OEt) were prepared by reaction of the Me esters of the corresponding propionic acids with glycols, and used for the stabilization (against thermal and oxidative decomposition) of polymers, e.g. polypropylene [9003-07-0], nylon, or polystyrene [9003-53-6], of lubricating oils, rubber, mineral oils, and monomers. Thus, 4,3,5-HO(Me3C)2C6H2CH2CH2CO2Me reacted with H(OCH2CH2)3OMe in MeOH in the presence of PhCH2Me3NOMe for .sim.3 hr at 92-105.deg. to give 3,6,9-trioxadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (I) [***39240-47-6***]. A polyacetal resin containing 0.1% dicyandiamide and 0.2% I was ground 7 min at 200.deg., pressed to sheets, and aged at 140.deg.. After 930 hr, the sample had lost 4% of its weight vs. 100 hr for the unstabilized sample.

IT ***41028-42-6P 41060-64-4P***
RL: PREP (Preparation)
(preparation of)

RN 41028-42-6 HCAPLUS
CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 20-methoxy-3,6,9,12,15,18-hexaoxaeicos-1-yl ester (9CI) (CA INDEX NAME)

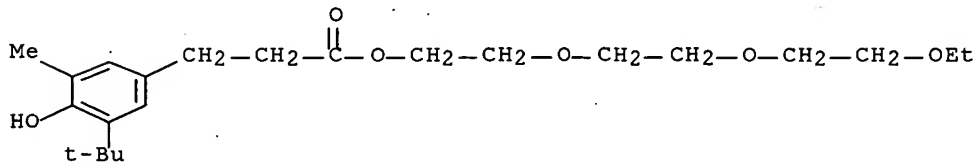
PAGE 1-A



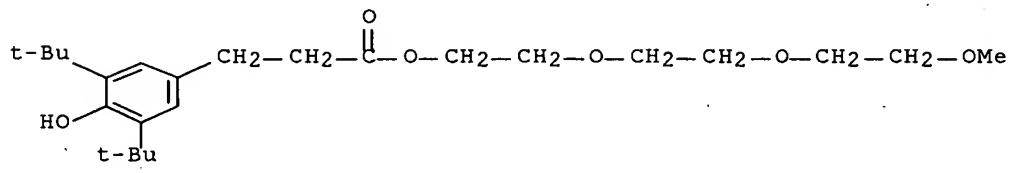
PAGE 1-B

—CH2—CH2—O—CH2—CH2—O—CH2—CH2—O—CH2—CH2—OMe

RN 41060-64-4 HCAPLUS
CN Benzenepropanoic acid, 3-(1,1-dimethylethyl)-4-hydroxy-5-methyl-, 2-[2-(2-ethoxyethoxy)ethoxy]ethyl ester (9CI) (CA INDEX NAME)



IT ***39240-47-6***
RL: PEP (Physical, engineering or chemical process); PROC (Process) (stabilizers, for polymers)
RN 39240-47-6 HCAPLUS
CN Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2-[2-(2-methoxyethoxy)ethoxy]ethyl ester (9CI) (CA INDEX NAME)



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L31 ANSWER 64 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1971:42150 HCAPLUS Full-text
DOCUMENT NUMBER: 74:42150
TITLE: 1-(Alkylamino)-3-(p-alkoxyphenoxy)-2-propanols as β-blockers in heart diseases
INVENTOR(S): Carlsson, Per A. E.; Brandstrom, Arne E.; Lamm, Bo R.; Ablad, Bengt A. H.; Carlsson, Stig A. I.; Corrodi, Hans R.; Ek, Lars
PATENT ASSIGNEE(S): Aktiebolag Hassle
SOURCE: Ger. Offen., 36 pp.
CODEN: GWXXBX
DOCUMENT TYPE: ***Patent***
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2020864	A	19701126	DE 1970-2020864	19700429 <--
DE 2020864	B2	19800508		
DE 2020864	C3	19810108		
SE 372762	B	19750113	SE 1969-7153	19690521 <--
CA 979460	A1	19751209	CA 1970-79530	19700408 <--

FI 55175	C	19790611	FI 1970-1077	19700417	<--
FI 55175	B	19790228			
BE 749244	A	19701001	BE 1970-749244	19700421	<--
CS 167282	B2	19760429	CS 1970-2692	19700421	<--
CS 167283	B2	19760429	CS 1970-8729	19700421	<--
CS 167284	B2	19760429	CS 1970-8730	19700421	<--
FR 2044806	A1	19710226	FR 1970-15123	19700424	<--
FR 2044806	A5	19710226			
ES 379062	A1	19730201	ES 1970-379062	19700425	<--
PL 72300	B1	19740629	PL 1970-140271	19700427	<--
PL 94849	B1	19770831	PL 1970-189885	19700427	<--
DK 136527	B	19771024	DK 1970-2126	19700427	<--
NO 129792	B	19740527	NO 1970-1714	19700505	<--
CH 562776	A5	19750613	CH 1974-16858	19700505	<--
CH 564512	A5	19750731	CH 1970-6691	19700505	<--
CH 564514	A5	19750731	CH 1974-16859	19700505	<--
AT 307384	B	19730525	AT 1970-4145	19700508	<--
AT 308723	B	19730725	AT 1972-1494	19700508	<--
AT 310145	B	19730925	AT 1972-7641	19700508	<--
US 3674840	A	19720704	US 1970-38884	19700519	<--
JP 51023488	B	19760717	JP 1970-42518	19700519	<--
GB 1298017	A	19721129	GB 1970-1298017	19700520	<--
NL 7007379	A	19701124	NL 1970-7379	19700521	<--
NL 166462	B	19810316			
NL 166462	C	19810817			
ES 407663	A1	19751016	ES 1972-407663	19721016	<--
ES 407664	A1	19751016	ES 1972-407664	19721016	<--
JP 52047447	B	19771202	JP 1975-115693	19750926	<--

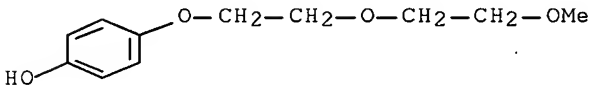
PRIORITY APPLN. INFO.: SE 1969-7153 A 19690521 <--

AB P-ROC6H4OCH2CH(OH)CH2NHR1 (I) were prepared by various methods. I had β-blocking effects on the hears, but no blocking effects on blood vessels and bronchi. Thus, refluxing 1,2-epoxy-3-(p- methoxyethoxyphenoxy)propane, prepared from p-HOC6H4OCH2CH2OMe and epichlorohydrin, with iso-PrNH2 in iso-PrOH gave I [R = MeO(CH2)2, R1 = iso-Pr] (II). Similarly prepared were I (R and R1 given): EtO(CH2)2, iso-Pr; iso-PrO(CH2)2, iso-Pr; MeO(CH2)2O(CH2)2, iso-Pr; MeO(CH2)3, iso-Pr; MeO(CH2)3, tert-Bu. The ED50 of II was: on the heart-0.2 mg/kg, on the vessels-16 mg/kg, on the brochi-4 μg/ml(sic). The i.p. LD50 was 275 mg/kg in mice.

IT ***30311-35-4P***
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 30311-35-4 HCAPLUS

CN Phenol, 4-[2-(2-methoxyethoxy)ethoxy]- (9CI) (CA INDEX NAME)



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L31 ANSWER 65 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1952:28693 HCAPLUS

DOCUMENT NUMBER: 46:28693

ORIGINAL REFERENCE NO.: 46:4855d-e

TITLE: Ultraviolet-radiation impervious wrapping material

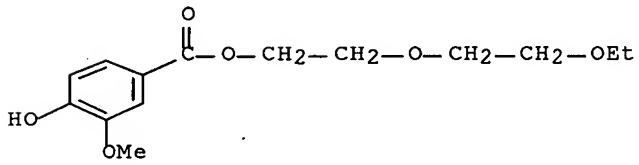
INVENTOR(S): Pearl, Irwin A.
PATENT ASSIGNEE(S): Sulphite Products Corp.
DOCUMENT TYPE: ***Patent***
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2580461		19520101	US 1947-770895	19470827 <--

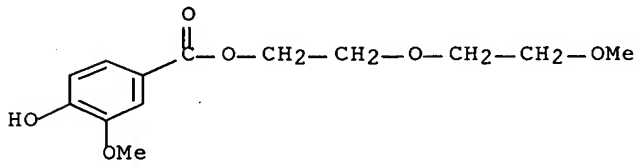
AB A wrapping material substantially impervious to ultraviolet radiations in the range of about 2400-3100 A. comprises a base sheet, e.g. Cellophane, paper, or resins, normally pervious to ultraviolet radiations having incorporated therein or coated with a composition containing a sufficient amount of an ester of 3-methoxy-4-hydroxybenzoic acid to render the sheet impervious to the radiations. The odorless benzoic acid esters are germicidal and serve to preserve the film or sheet.

IT ***874529-13-2***, Ethanol, 2-(2-ethoxyethoxy)-, vanillate
874529-43-8, Ethanol, 2-(2-methoxyethoxy)-, vanillate
(wrapping materials containing)

RN 874529-13-2 HCAPLUS
CN Ethanol, 2-(2-ethoxyethoxy)-, vanillate (5CI) (CA INDEX NAME)



RN 874529-43-8 HCAPLUS
CN Ethanol, 2-(2-methoxyethoxy)-, vanillate (5CI) (CA INDEX NAME)



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L31 ANSWER 66 OF 66 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1940:39382 HCAPLUS
DOCUMENT NUMBER: 34:39382
ORIGINAL REFERENCE NO.: 34:5965d-f
TITLE: Ether esters of p-hydroxybenzoic acid
INVENTOR(S): Grether, Ernest F.; Du Vall, Russell B.
PATENT ASSIGNEE(S): Dow Chemical Co.
DOCUMENT TYPE: ***Patent***
LANGUAGE: Unavailable

FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

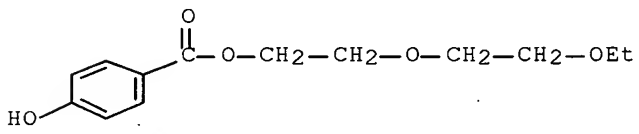
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2198582		19400423	US 1937-166746	19371001 <--

AB Ether esters suitable for use as plasticizers with cellulose esters and ethers in making lacquers, films and various molded products are prepared by esterifying p-hydroxybenzoic acid (I) with a monoether of a glycol (suitably by heating to 120-150° in the presence of a small proportion of H_2SO_4 or benzenesulfonic acid with distillation of water as formed). Details are given of the production of the β-ethoxyethyl ester, b3 203°, the β-methoxyethyl ester, b1, 173-8°, the β-butoxyethyl ester, b2 194-201° the β-phenoxyethyl ester, m. 118-119° and the β-ethoxyethoxyethyl ester, a viscous yellow liquid, and general mention is made of the possible similar reaction of I with ethylene glycol mono-o-chlorophenyl ether to produce the β-o-chlorophenoxyethyl ester of I; with diethylene glycol monoisobutyl ether to produce the β-isobutoxyethoxyethyl ester of I; with propylene glycol monoisopropyl ether to produce the γ-isopropoxypropyl ester of I; with diethylene glycol monophenyl ether to produce the β-phenoxyethoxyethyl ester of I, etc.

IT ***151288-14-1P***, Ethanol, 2-(2-ethoxyethoxy)-, p-hydroxybenzoate
RL: PREP (Preparation)
(preparation of)

RN 151288-14-1 HCAPLUS

CN Benzoic acid, 4-hydroxy-, 2-(2-ethoxyethoxy)ethyl ester (9CI) (CA INDEX NAME)



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INVENTOR NAME SEARCH

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E4            8     EKWURIBE N N/AU
E5            1     EKWURIBE NNOCH N/AU
E6           25     EKWURIBE NNOCHIRI/AU
E7           75     EKWURIBE NNOCHIRI N/AU
E8           19     EKWURIBE NNOCHIRI NKEM/AU
E9            1     EKWURIBE NOCHIRI N/AU
E10           1     EKWURTZEL J B/AU
E11           1     EKWURTZEL JOANNE B/AU
E12           4     EKWURU C T/AU

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                BE NNOCHIRI NKEM"/AU OR "EKWURIBE NOCHIRI N"/AU)

=> e odenbaugh a/au
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E2            4     ODENBACH WERNER/AU
E3            3 --> ODENBAUGH A/AU
E4            4     ODENBAUGH A L/AU
E5            1     ODENBAUGH AMY/AU
E6           23     ODENBAUGH AMY L/AU
E7            1     ODENBAUGH AMY LORRAINE/AU
E8            2     ODENBAUGH D/AU
E9            3     ODENBAUGH D M/AU
E10           1     ODENBAUGH EDWARD D JR/AU
E11           3     ODENBAUGH JAY/AU
E12           1     ODENBAUGH M L/AU

=> s e3-7
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                OR "ODENBAUGH AMY L"/AU OR "ODENBAUGH AMY LORRAINE"/AU)

=> s l32 and l33
L34          15 L32 AND L33

=> dup rem l34
PROCESSING COMPLETED FOR L34
L35          15 DUP REM L34 (0 DUPLICATES REMOVED)
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                ANSWERS '1-8' FROM FILE HCAPLUS
                ANSWERS '9-15' FROM FILE BIOSIS

=> d que
L32          149 SEA ("EKWURIBE N"/AU OR "EKWURIBE N N"/AU OR "EKWURIBE NNOCH
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L33           32 SEA ("ODENBAUGH A"/AU OR "ODENBAUGH A L"/AU OR "ODENBAUGH
                 AMY"/AU OR "ODENBAUGH AMY L"/AU OR "ODENBAUGH AMY LORRAINE"/AU)

L34           15 SEA L32 AND L33
L35           15 DUP REM L34 (0 DUPLICATES REMOVED)


=> d l35 ibib abs tot

L35  ANSWER 1 OF 15  HCAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2005:158500  HCAPLUS  Full-text
DOCUMENT NUMBER:          142:261295
TITLE:                    Preparation of aryl carbamate oligomers for
                          hydrolyzable prodrugs and prodrugs comprising same
INVENTOR(S):              Ekwuribe, Nnochiri N.; Odenbaugh, Amy
                          L.
PATENT ASSIGNEE(S):       Nobex Corporation, USA
SOURCE:                   PCT Int. Appl., 59 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE        APPLICATION NO.          DATE
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     WO 2005016240         A2    20050224    WO 2004-US15004          20040506
     WO 2005016240         A3    20060928
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
             NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
             TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
             AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
             EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
             SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
             SN, TD, TG
     AU 2004264818         A1    20050224    AU 2004-264818           20040506
     CA 2534298            A1    20050224    CA 2004-2534298          20040506
     EP 1651163            A2    20060503    EP 2004-752108           20040506
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             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR
     US 2006167234         A1    20060727    US 2005-525290           20050718
PRIORITY APPLN. INFO.:                       US 2003-491751P      P   20030801
                                             WO 2004-US15004      W   20040506
OTHER SOURCE(S):          CASREACT 142:261295; MARPAT 142:261295
GI
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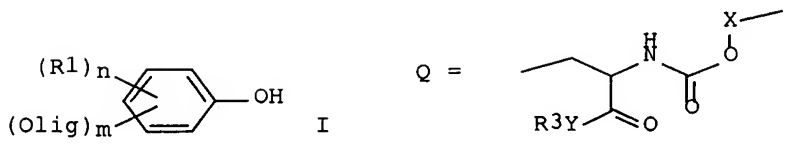
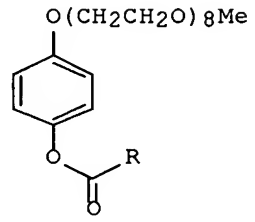


I



II

AB The present invention provides a compound having a formula: I [R1 = alkyl, -CH2(OC2H4)OMe, and (OC2H4)OCH3; n = 0-4; Olig = L-O-PAG-(R2)q; L = optional linker moiety CH2O, CH2OX, OX, CO, COX, NH, NHCO, XNHCO, NHCOX, CONH, CONHX, group Q; X = C1-6 alkyl, bond; Y = N, O, bond; R3 = C1-6 alkyl; PAG = linear or branched polyalkylene glycol moiety; R2 = C1-22 alkyl capping moiety if X is present or C2-22 alkyl capping moiety if X is not present; q = 1 to maximum number of branches on PAG; m = 1-5]. Thus, reaction of oligoethylene glycol mesylate MeSO2O(CH2CH2O)4Me with 4-benzyloxyphenol, followed by hydrogenolysis of the benzyl group, activation with 4-nitrophenyl chloroformate, and reaction with leucine-enkephalin or human insulin gave prodrugs II (R = leucine enkephalin or insulin residue). Hydrolysis studies of the prepared prodrugs by carboxylesterase and in rat plasma are given. REData is temporarily unavailable.

L35 ANSWER 2 OF 15 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:55012 HCAPLUS Full-text
DOCUMENT NUMBER: 142:162604
TITLE: Mixtures of calcitonin-polyoxyalkylene oligomer conjugates for pain treatment
INVENTOR(S): Kosutic, Gordana; ***Ekwuribe, Nnochiri N.***; Price, Christopher H.; Ansari, Aslam M.; ***Odenbaugh, Amy L.***
PATENT ASSIGNEE(S): Nobex Corporation, USA
SOURCE: PCT Int. Appl., 131 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005004792	A2	20050120	WO 2004-US16784	20040527
WO 2005004792	A3	20050901		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1643959 A2 20060412 EP 2004-753588 20040527

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR

PRIORITY APPLN. INFO.: US 2003-482130P P 20030624

WO 2004-US16784 W 20040527

AB A mixture of conjugates in which each conjugate comprises a calcitonin coupled to an oligomer that includes a polyalkylene glycol moiety is disclosed. The mixture may lower serum calcium levels in a subject by 10, 15 or even 20% or more. Moreover, the mixture may be more effective at surviving an in vitro model of intestinal digestion than non-conjugated calcitonin. Furthermore, the mixture may exhibit a higher bioavailability than non-conjugated calcitonin. The compns. of this invention are useful in the treatment of various bone disorders and pain. For example, 150 mg of salmon calcitonin (MW 3432, 0.043 mmol) was dissolved in 30 mL of anhydrous DMF, and then 35 mL of TEA and the activated mPEG7-C8 acid oligomer (preparation given) (42 mg, 0.067 mmol) in anhydrous THF (2 mL) were added. The reaction was stirred for 1 h, then quenched with 2 mL of 0.1% TFA in water. The reaction was followed by HPLC. Then the reaction mixture was concentrated and purified by prepare HPLC (RC Vydac C18 Protein and peptide, 1x25 column, water/acetonitrile with 0.1% TFA, detection at 280 nm). Two peaks, corresponding to mono- and diconjugate were isolated. REData is temporarily unavailable.

L35 ANSWER 3 OF 15 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2003:184233 HCAPLUS Full-text

TITLE: Effects of amphiphilic oligomers on oral insulin conjugates

AUTHOR(S): Miller, Mark A.; Malkar, Navdeep B.; ***Odenbaugh, Amy L.***; Surguladze, David; Danek Burgess, Krisstina S.; Bednarcik, Mark J.; Dugdell, Robert E.; Yarbrough, Kevin G.; Willie, Kirsten; ***Ekwuribe, Nnochiri N.***; James, Kenneth D.

CORPORATE SOURCE: Nobex Corporation, Research Triangle Park, NC, 27709, USA

SOURCE: Abstracts of Papers, 225th ACS National Meeting, New Orleans, LA, United States, March 23-27, 2003 (2003), MEDI-267. American Chemical Society: Washington, D. C.

CODEN: 69DSA4

DOCUMENT TYPE: Conference; Meeting Abstract

LANGUAGE: English

AB In an effort to understand the effects of conjugating amphiphilic oligomers to insulin, a broad range of oligomers, varying in their amphiphilicity, length, and structure, were synthesized and conjugated to insulin. The physicochem. properties of the insulin conjugates, including in vitro and in vivo activity, were examined Part 1 of our study describes the synthesis of the oligomers and the activity results of the insulin conjugates. The in vitro assays measure agonist activity at the insulin receptor and the in vivo efficacy was assayed by oral dosing in mice. Our goal with this research is to establish a guide to generally predict the effects of amphiphilic oligomers not only on insulin, but on other proteins and peptides, thus facilitating the oral delivery of protein and peptide conjugates.

REData is temporarily unavailable.

L35 ANSWER 4 OF 15 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2002:946346 HCAPLUS Full-text

DOCUMENT NUMBER: 138:25334

TITLE: Methods of preparing monodispersed mixtures of polymers having polyethylene glycol moieties
INVENTOR(S): ***Ekwuribe, Nnochiri N.***; Price, Christopher H.; Ansari, Aslam M.; ***Odenbaugh, Amy L.***
PATENT ASSIGNEE(S): Nobex Corporation, USA
SOURCE: PCT Int. Appl., 35 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002098949	A1	20021212	WO 2002-US17619	20020604
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2003004304	A1	20030102	US 2001-873731	20010604
US 6835802	B2	20041228		
BR 2001006838	A	20030211	BR 2001-6838	20011011
JP 2003138004	A	20030514	JP 2001-315392	20011012
TW 591053	B	20040611	TW 2002-91111841	20020603
CA 2449698	A1	20021212	CA 2002-2449698	20020604
EP 1397413	A1	20040317	EP 2002-729341	20020604
EP 1397413	B1	20050817		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
AT 302229	T	20050915	AT 2002-729341	20020604
ES 2247328	T3	20060301	ES 2002-2729341	20020604
US 2003144468	A1	20030731	US 2003-367047	20030214
US 6815530	B2	20041109		
US 2005059799	A1	20050317	US 2004-977973	20041029
US 7119162	B2	20061010		

PRIORITY APPLN. INFO.:
US 2001-873731 A 20010604
WO 2002-US17619 W 20020604
US 2003-367047 A1 20030214

OTHER SOURCE(S): MARPAT 138:25334

AB The method comprises reacting monodispersed mixts. of compds. R1(OC2H4)nO-X+ (R1 = H, lipophilic moiety; n = 1-25; and X+ = pos. ion) with monodispersed mixts. of compds. R2(OC2H4)mOMs (R2 = H, lipophilic moiety; m = 1-25; Ms = CH3SO2-) under conditions sufficient to form monodispersed mixts. of polymers comprising polyethylene glycol moieties R2(OC2H4)m+nOR1. The method reduces the number of steps and/or overall synthesis time and utilizes milder reaction conditions than those used in conventional methods. Thus, 27.3 parts hexaethylene glycol monobenzyl ether was mixed with 3.225 parts sodium hydride n anhydrous toluene at 0° for 30 min and at room temperature for 5 h and reacted with 19.21 parts Et 6-methylsulfonyloxyhexanoate (obtained from Et 6-hydroxyhexanoate and methanesulfonyl chloride) to form 16.22 parts 6-{2-[2-(2-{2-[2-(2-benzyloxyethoxy)ethoxy]ethoxy}ethoxy)ethoxy]ethoxy}hexanoic acid Et ester. REData is temporarily unavailable.

L35 ANSWER 5 OF 15 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:946135 HCAPLUS Full-text

DOCUMENT NUMBER: 138:16637
TITLE: Preparation of growth hormone drug-polyalkylene glycol oligomer conjugates
INVENTOR(S): ***Ekwuribe, Nnochiri N.***; Price, Christopher H.; Ansari, Aslam M.; ***Odenbaugh, Amy L.***
PATENT ASSIGNEE(S): Nobex Corporation, USA
SOURCE: PCT Int. Appl., 145 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002098452	A1	20021212	WO 2002-US17504	20020604
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2003027995	A1	20030206	US 2001-873757	20010604
US 6828305	B2	20041207		
CA 2449320	A1	20021212	CA 2002-2449320	20020604
EP 1404361	A1	20040407	EP 2002-737344	20020604
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CN 1538852	A	20041020	CN 2002-815301	20020604
JP 2004534783	T	20041118	JP 2003-501490	20020604
PRIORITY APPLN. INFO.:			US 2001-873757 A	20010604
			WO 2002-US17504 W	20020604

OTHER SOURCE(S): MARPAT 138:16637
AB A mixture of conjugates in which each conjugate in the mixture comprises a growth hormone drug coupled to an oligomer that includes a polyalkylene glycol moiety is disclosed. Thus, non-polydispersed hexaethylene glycol was treated with phosgene solution, followed by treatment with N-hydroxysuccinimide (NHS) to give give the NHS ester. Human growth hormone (Saizen) was dissolved in DMSO and allowed to react with the NHS ester to give the conjugate.
REData is temporarily unavailable.

L35 ANSWER 6 OF 15 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:946134 HCAPLUS Full-text
DOCUMENT NUMBER: 138:16636
TITLE: Preparation of calcitonin drug-alkylene glycol oligomer conjugates
INVENTOR(S): ***Ekwuribe, Nnochiri N.***; Price, Christopher H.; Ansari, Aslam M.; ***Odenbaugh, Amy L.***
PATENT ASSIGNEE(S): Nobex Corporation, USA
SOURCE: PCT Int. Appl., 126 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

WO 2002098451	A1	20021212	WO 2002-US17575	20020604
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2003060606	A1	20030327	US 2001-873777	20010604
US 6713452	B2	20040330		
CA 2449686	A1	20021212	CA 2002-2449686	20020604
EP 1404360	A1	20040407	EP 2002-732030	20020604
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
CN 1538851	A	20041020	CN 2002-815302	20020604
JP 2004534782	T	20041118	JP 2003-501489	20020604
US 2004180831	A1	20040916	US 2004-806523	20040323
US 7084121	B2	20060801		
PRIORITY APPLN. INFO.:			US 2001-873777 A	20010604
			WO 2002-US17575 W	20020604

OTHER SOURCE(S): MARPAT 138:16636

AB A mixture of conjugates in which each conjugate in the mixture comprises a calcitonin drug coupled to an oligomer that includes a polyalkylene glycol moiety is disclosed. The mixture may lower serum calcium levels in a subject by 10, 15 or ≥20%. Moreover, the mixture may be more effective at surviving an in vitro model of intestinal digestion than non-conjugated calcitonin. Furthermore, the mixture may exhibit a higher bioavailability than the non-conjugated calcitonin. Thus, non-polydispersed hexaethylene glycol was treated with phosgene solution, followed by treatment with N-hydroxysuccinimide (NHS) to give give the NHS ester. Salmon calcitonin was allowed to react with the NHS ester to give the conjugate. REData is temporarily unavailable.

L35 ANSWER 7 OF 15 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2002:946130 HCAPLUS Full-text

DOCUMENT NUMBER: 138:29120

TITLE: Preparation of peptide drug-alkylene glycol oligomer conjugates

INVENTOR(S): ***Ekwuribe, Nnochiri N.***; Price, Christopher H.; Ansari, Aslam M.; ***Odenbaugh, Amy L.***

PATENT ASSIGNEE(S): Nobex Corporation, USA

SOURCE: PCT Int. Appl., 201 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

WO 2002098446	A1	20021212	WO 2002-US17567	20020604
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,				

CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 2003228275	A1	20031211	US 2001-873797	20010604
US 6858580	B2	20050222		
BR 2001006401	A	20030211	BR 2001-6401	20011011
JP 2003104913	A	20030409	JP 2001-317307	20011015
EP 1404355	A1	20040407	EP 2002-737357	20020604

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

US 2005136032	A1	20050623	US 2005-31108	20050107
US 2006153801	A1	20060713	US 2006-364061	20060228

PRIORITY APPLN. INFO.:	US 2001-873797	A 20010604
	WO 2002-US17567	W 20020604
	US 2005-31108	B1 20050107

OTHER SOURCE(S): MARPAT 138:29120

AB A non-polydispersed mixture of conjugates in which each conjugate in the mixture comprises a peptide drug coupled to an oligomer that includes a polyalkylene glycol moiety is disclosed. The mixture may exhibit higher in vivo activity than a polydispersed mixture of similar conjugates. The mixture may be more effective at surviving an in vitro model of intestinal digestion than polydispersed mixts. of similar conjugates. The mixture may result in less inter-subject variability than polydispersed mixts. of similar conjugates. Thus, non-polydispersed hexaethylene glycol was treated with phosgene solution, followed by treatment with N-hydroxysuccinimide (NHS) to give give the NHS ester. Human growth hormone (Saizen) was allowed to react with the NHS ester to give the conjugate. REData is temporarily unavailable.

L35 ANSWER 8 OF 15 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER:	2002:946037 HCAPLUS Full-text
DOCUMENT NUMBER:	138:16621
TITLE:	Preparation of insulin-alkylene glycol oligomer conjugates
INVENTOR(S):	***Ekwuribe, Nnochiri N.***; Price, Christopher H.; Ansari, Aslam M.; ***Odenbaugh, Amy L.***; Radhakrishnan, Balasingam
PATENT ASSIGNEE(S):	Nobex Corporation, USA
SOURCE:	PCT Int. Appl., 127 pp. CODEN: PIXXD2
DOCUMENT TYPE:	Patent
LANGUAGE:	English
FAMILY ACC. NUM. COUNT:	1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002098232	A1	20021212	WO 2002-US17574	20020604

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 2003027748	A1	20030206	US 2001-873899	20010604
US 6828297	B2	20041207		
BR 2001006851	A	20030408	BR 2001-6851	20011011
JP 2003113113	A	20030418	JP 2001-316998	20011015
CA 2449426	A1	20021212	CA 2002-2449426	20020604

EP 1404178	A1	20040407	EP 2002-737359	20020604
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
CN 1538809	A	20041020	CN 2002-815261	20020604
US 2004198949	A1	20041007	US 2004-835018	20040429
US 7084114	B2	20060801		
US 2006199759	A1	20060907	US 2006-417586	20060504
PRIORITY APPLN. INFO.:			US 2001-873899	A 20010604
			WO 2002-US17574	W 20020604
			US 2004-835018	A1 20040429

OTHER SOURCE(S): MARPAT 138:16621

AB A mixture of conjugates in which each conjugate in the mixture comprises an insulin drug coupled to an oligomer that includes a polyalkylene glycol moiety is disclosed. The mixture may exhibit higher in vivo activity than a polydispersed mixture of similar conjugates. The mixture may also be more effective at surviving an in vitro model of intestinal digestion than polydispersed mixts. of similar conjugates. The mixture may also result in less inter-subject variability than polydispersed mixts. of similar conjugates. Thus, non-polydispersed hexaethylene glycol was treated with phosgene solution, followed by treatment with N-hydroxysuccinimide (NHS) to give give the NHS ester. Human insulin was dissolved in DMSO and allowed to react with the NHS ester to give the conjugate. REData is temporarily unavailable.

L35 ANSWER 9 OF 15 BIOSIS COPYRIGHT (c) 2007 The Thomson Corporation on STN
ACCESSION NUMBER: 2007:735 BIOSIS Full-text
DOCUMENT NUMBER: PREV200700006239
TITLE: Mixtures of calcitonin drug-oligomer conjugates comprising polyalkylene glycol, uses thereof, and methods of making same.
AUTHOR(S): Anonymous; ***Ekwuribe, Nnochiri N.*** [Inventor]; Price, Christopher H. [Inventor]; Ansari, Aslam M. [Inventor]; ***Odenbaugh, Amy L.*** [Inventor]
CORPORATE SOURCE: Cary, NC USA
ASSIGNEE: Nobex Corporation
PATENT INFORMATION: US 07084121 20060801
SOURCE: Official Gazette of the United States Patent and Trademark Office Patents, (AUG 1 2006)
CODEN: OGUPE7. ISSN: 0098-1133.
DOCUMENT TYPE: Patent
LANGUAGE: English
ENTRY DATE: Entered STN: 14 Dec 2006
Last Updated on STN: 14 Dec 2006

AB A mixture of conjugates in which each conjugate in the mixture comprises a calcitonin drug coupled to an oligomer that includes a polyalkylene glycol moiety is disclosed. The mixture may lower serum calcium levels in a subject by 10, 15 or even 20 percent or more. Moreover, the mixture may be more effective at surviving an in vitro model of intestinal digestion than non-conjugated calcitonin. Furthermore, the mixture may exhibit a higher bioavailability than non-conjugated calcitonin.

L35 ANSWER 10 OF 15 BIOSIS COPYRIGHT (c) 2007 The Thomson Corporation on STN
ACCESSION NUMBER: 2007:728 BIOSIS Full-text
DOCUMENT NUMBER: PREV200700006232
TITLE: Mixtures of insulin drug-oligomer comprising polyalkylene glycol.
AUTHOR(S): Anonymous; ***Ekwuribe, Nnochiri N.*** [Inventor]; Price, Christopher H. [Inventor]; Ansari, Aslam M. [Inventor]; Radhakrishnan, Balasingam [Inventor];

Odenbaugh, Amy L. [Inventor]
CORPORATE SOURCE: Cary, NC USA
ASSIGNEE: Nobex Corporation
PATENT INFORMATION: US 07084114 20060801
SOURCE: Official Gazette of the United States Patent and Trademark Office Patents, (AUG 1 2006)
CODEN: OGUPE7. ISSN: 0098-1133.
DOCUMENT TYPE: Patent
LANGUAGE: English
ENTRY DATE: Entered STN: 14 Dec 2006
Last Updated on STN: 14 Dec 2006

AB A mixture of conjugates in which each conjugate in the mixture comprises an insulin drug coupled to an oligomer that includes a polyalkylene glycol moiety is disclosed. The mixture may exhibit higher in vivo activity than a polydispersed mixture of similar conjugates. The mixture may also be more effective at surviving an in vitro model of intestinal digestion than polydispersed mixtures of similar conjugates. The mixture may also result in less inter-subject variability than polydispersed mixtures of similar conjugates.

L35 ANSWER 11 OF 15 BIOSIS COPYRIGHT (c) 2007 The Thomson Corporation on STN
ACCESSION NUMBER: 2006:161500 BIOSIS Full-text
DOCUMENT NUMBER: PREV200600175889
TITLE: Mixtures of drug-oligomer conjugates comprising polyalkylene glycol, uses thereof, and methods of making same.
AUTHOR(S): ***Ekwuribe, Nnochiri N.*** [Inventor]; Price, Christopher H. [Inventor]; Ansari, Aslam M. [Inventor]; ***Odenbaugh, Amy L.*** [Inventor]
CORPORATE SOURCE: Cary, NC USA
ASSIGNEE: Nobex Corporation
PATENT INFORMATION: US 06858580 20050222
SOURCE: Official Gazette of the United States Patent and Trademark Office Patents, (FEB 22 2005)
CODEN: OGUPE7. ISSN: 0098-1133.
DOCUMENT TYPE: Patent
LANGUAGE: English
ENTRY DATE: Entered STN: 9 Mar 2006
Last Updated on STN: 9 Mar 2006

AB A non-polydispersed mixture of conjugates in which each conjugate in the mixture comprises a drug coupled to an oligomer that includes a polyalkylene glycol moiety is disclosed. The mixture may exhibit higher in vivo activity than a polydispersed mixture of similar conjugates. The mixture may be more effective at surviving an in vitro model of intestinal digestion than polydispersed mixtures of similar conjugates. The mixture may result in less inter-subject variability than polydispersed mixtures of similar conjugates.

L35 ANSWER 12 OF 15 BIOSIS COPYRIGHT (c) 2007 The Thomson Corporation on STN
ACCESSION NUMBER: 2005:21391 BIOSIS Full-text
DOCUMENT NUMBER: PREV200500024664
TITLE: Mixtures of growth hormone drug-oligomer conjugates comprising polyalkylene glycol, uses thereof, and methods of making same.
AUTHOR(S): ***Ekwuribe, Nnochiri N.*** [Inventor, Reprint Author]; Price, Christopher H. [Inventor]; Ansari, Aslam M. [Inventor]; ***Odenbaugh, Amy L.*** [Inventor]

CORPORATE SOURCE: ASSIGNEE: Nobex Corporation
PATENT INFORMATION: US 6828305 20041207
SOURCE: Official Gazette of the United States Patent and Trademark Office Patents, (Dec 7 2004) Vol. 1289, No. 1. http://www.uspto.gov/web/menu/patdata.html. e-file. ISSN: 0098-1133 (ISSN print).
DOCUMENT TYPE: Patent
LANGUAGE: English
ENTRY DATE: Entered STN: 29 Dec 2004
Last Updated on STN: 29 Dec 2004

AB Mixtures of conjugates in which each conjugate in the mixture comprises a growth hormone drug coupled to an oligomer that includes a polyalkylene glycol moiety wherein the mixtures have a molecular weight distribution with a standard deviation of less than about 22 Daltons are disclosed. Methods of treating growth hormone deficiency in a subject in need of such treatment and methods of accelerating the growth rate of an animal arc also disclosed. Processes for synthesizing substantially monodispersed mixtures of conjugates wherein each conjugate comprises a growth hormone drug coupled to an oligomer that comprises a polyethylene glycol moiety are further provided.

L35 ANSWER 13 OF 15 BIOSIS COPYRIGHT (c) 2007 The Thomson Corporation on STN
ACCESSION NUMBER: 2005:21530 BIOSIS Full-text
DOCUMENT NUMBER: PREV200500024656
TITLE: Mixtures of insulin drug-oligomer conjugates comprising polyalkylene glycol, uses thereof, and methods of making same.
AUTHOR(S): ***Ekwuribe, Nnochiri N.*** [Inventor, Reprint Author]; Price, Christopher H. [Inventor]; Ansari, Aslam M. [Inventor]; Radhakrishnan, Balasingam [Inventor]; ***Odenbaugh, Amy L.*** [Inventor]
CORPORATE SOURCE: ASSIGNEE: Nobex Corporation
PATENT INFORMATION: US 6828297 20041207
SOURCE: Official Gazette of the United States Patent and Trademark Office Patents, (Dec 7 2004) Vol. 1289, No. 1. http://www.uspto.gov/web/menu/patdata.html. e-file. ISSN: 0098-1133 (ISSN print).
DOCUMENT TYPE: Patent
LANGUAGE: English
ENTRY DATE: Entered STN: 29 Dec 2004
Last Updated on STN: 29 Dec 2004

AB A mixture of conjugates in which each conjugate in the mixture comprises an insulin drug coupled to an oligomer that includes a polyalkylene glycol moiety is disclosed. The mixture may exhibit higher in vivo activity than a polydispersed mixture of similar conjugates. The mixture may also be more effective at surviving an in vitro model of intestinal digestion than polydispersed mixtures of similar conjugates. The mixture may also result in less inter-subject variability than polydispersed mixtures of similar conjugates.

L35 ANSWER 14 OF 15 BIOSIS COPYRIGHT (c) 2007 The Thomson Corporation on STN
ACCESSION NUMBER: 2004:249190 BIOSIS Full-text
DOCUMENT NUMBER: PREV200400249256
TITLE: Mixtures of calcitonin drug-oligomer conjugates comprising polyalkylene glycol, uses thereof, and methods of making same.
AUTHOR(S): ***Ekwuribe, Nnochiri N.*** [Inventor, Reprint Author];

Price, Christopher H. [Inventor]; Ansari, Aslam M. [Inventor]; ***Odenbaugh, Amy L.*** [Inventor]
CORPORATE SOURCE: Rockville, MD, USA
ASSIGNEE: Nobex Corporation
PATENT INFORMATION: US 6713452 20040330
SOURCE: Official Gazette of the United States Patent and Trademark Office Patents, (Mar 30 2004) Vol. 1280, No. 5. http://www.uspto.gov/web/menu/patdata.html. e-file. ISSN: 0098-1133 (ISSN print).
DOCUMENT TYPE: Patent
LANGUAGE: English
ENTRY DATE: Entered STN: 6 May 2004
Last Updated on STN: 6 May 2004

AB A mixture of conjugates in which each conjugate in the mixture comprises a calcitonin drug coupled to an oligomer that includes a polyalkylene glycol moiety is disclosed. The mixture may lower serum calcium levels in a subject by 10, 15 or even 20 percent or more. Moreover, the mixture may be more effective at surviving an in vitro model of intestinal digestion than non-conjugated calcitonin. Furthermore, the mixture may exhibit a higher bioavailability than non-conjugated calcitonin.

L35 ANSWER 15 OF 15 BIOSIS COPYRIGHT (c) 2007 The Thomson Corporation on STN
ACCESSION NUMBER: 2003:411490 BIOSIS Full-text
DOCUMENT NUMBER: PREV200300411490
TITLE: Effects of amphiphilic oligomers on oral insulin conjugates.
AUTHOR(S): Miller, Mark A. [Reprint Author]; Malkar, Navdeep B. [Reprint Author]; ***Odenbaugh, Amy L.*** [Reprint Author]; Surguladze, David [Reprint Author]; Danek Burgess, Krisstina S. [Reprint Author]; Bednarcik, Mark J. [Reprint Author]; Dugdell, Robert E. [Reprint Author]; Yarbrough, Kevin G. [Reprint Author]; Kirsten, Willie [Reprint Author]; ***Ekwuribe, Nnochiri N.*** [Reprint Author]; James, Kenneth D. [Reprint Author]
CORPORATE SOURCE: Nobex Corporation, PO Box 13940, Research Triangle Park, NC, 27709, USA
mmiller@nobexcorp.com
SOURCE: Abstracts of Papers American Chemical Society, (2003) Vol. 225, No. 1-2, pp. MEDI 267. print.
Meeting Info.: 225th American Chemical Society (ACS) National Meeting. New Orleans, LA, USA. March 23-27, 2003. American Chemical Society.
ISSN: 0065-7727 (ISSN print).
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LANGUAGE: English
ENTRY DATE: Entered STN: 10 Sep 2003
Last Updated on STN: 10 Sep 2003

SEARCH HISTORY

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L20            43 SEA SUB=L17 SSS SAM L19
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L23            7 SEA SUB=L21 SSS SAM L22
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L33           32 SEA ABB=ON  PLU=ON  ("ODENBAUGH A"/AU OR "ODENBAUGH A L"/AU OR
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                 D L35 IBIB ABS TOT
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